

DYNEX



Dynex 42" LED-LCD TV

DX-42E250A12

USER GUIDE

Dynex DX-42E250A12

42" LED-LCD TV

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CHILD SAFETY

It makes a difference how and where you use your flat panel display

As you enjoy your new product, keep these safety tips in mind

The issue

The home theater entertainment experience is a growing trend, and larger TVs are popular purchases. However, TVs are not always supported on the proper stands or installed according to the manufacturer's recommendations. We and the consumer electronics industry are committed to making home entertainment enjoyable and safe.

TVs that are inappropriately placed on dressers, bookcases, shelves, desks, speakers, chests, or carts may fall over and cause injury.

Tune into safety

- One size of TV stand does **not** fit all. Use only a TV stand rated for the weight of your TV.
- Carefully read and understand all enclosed instructions for proper use of this product.
- Don't let children climb on or play with entertainment system furniture and TVs.
- Don't place TVs on furniture that can easily be used as steps, such as a crate or chest of drawers.
- Remember that children can become excited while watching a program, especially on a "larger-than-life" TV. Make sure that you place or install the TV where it cannot be pushed, pulled over, or knocked down.
- Make sure that you route all cords and cables so that they cannot be pulled or grabbed by curious children.



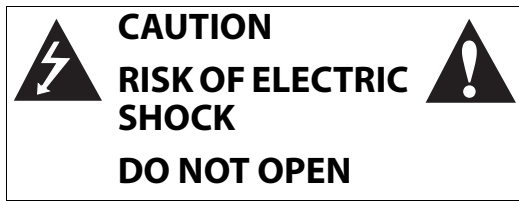
Wall mounting

If you decide to wall mount your TV, always remember:

- One size of wall mount does **not** fit all. Use only a wall mount rated for the weight of your TV and that has been recommended by this TV manufacturer, listed in this manual, or otherwise listed by an independent laboratory as suitable for your TV.
- Follow all instructions supplied by the TV and wall mount manufacturers.
- If you have any doubts about your ability to safely wall mount your TV, get help from a professional installer.
- Make sure that the wall where you are mounting the TV is appropriate. Some wall mounts are not designed to be mounted to walls backed with steel studs or cinder blocks. If you are unsure, ask a professional installer.
- TVs can be heavy. At least two people are required for safe wall mount installation.




Important safety instructions



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within your TV. This label is located on the back of your TV.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying your TV.

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with a dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12 Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15 The *wall plug* is the disconnecting device. The plug must remain readily operable.
- 16 An apparatus with three-prong, grounding-type plug is a Class I apparatus. A Class I apparatus needs to be grounded to prevent possible electric shock. Make sure that you connect the Class I apparatus to a grounding-type, three-prong outlet.
- 17 Remote control batteries should not be exposed to excessive heat such as sunshine, fire, or the like.
- 18 The apparatus should not be exposed to dripping or splashing, and no objects filled with liquids, such as vases, should be placed on the apparatus.

Warnings

Electric shock hazard

To reduce the risk of fire or electric shock, do not remove any cover or expose the device to rain or moisture. No user-serviceable parts are inside. Refer servicing to qualified service technicians.

Lightning

For added protection for your device receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the power outlet and disconnect any antenna or cable system. This helps prevent property damage and personal injury from lightning and power line surges.

Power lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

Handling the LCD panel

- Your TV's screen is made of glass. Do not drop your TV or hit, jolt, or press hard against the LCD panel. If the screen breaks, be careful of broken glass.
- If the LCD panel is broken, make absolutely sure that you do not touch the liquid in the panel. This may cause skin inflammation.
- If the liquid gets in your mouth, immediately gargle, rinse, and consult with your doctor. Also, if the liquid gets in your eyes or touches your skin, consult with your doctor after rinsing for at least 15 minutes or longer in clean water.

Replacement parts

When replacement parts are required, make sure that the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, personal injury, or other hazards.

Safety check

After completing any service or repair to this device, ask the service technician to perform routine safety checks to determine that your TV is in correct operating condition.

Power source

Operate your TV only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult an electrician or your local power company.

Cautions

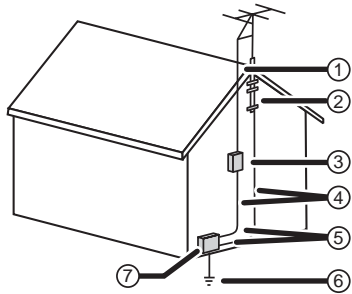
Damage requiring service

Unplug this TV from the power outlet and refer servicing to qualified service personnel under the following conditions:

- When the power supply cord or plug is damaged or frayed.
- If liquid has been spilled or objects have fallen into your TV.
- If your TV has been exposed to rain or water.
- If your TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because incorrect adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore your TV to its normal operation.
- If your TV has been dropped or damaged in any way.
- When your TV exhibits a distinct change in performance.

Outdoor antenna grounding

If an outside antenna or cable system is connected to your TV, make sure that the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to correct grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of the antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



①	Antenna lead-in wire
②	Grounding clamp
③	Antenna discharge unit
④	Grounding conductors
⑤	Ground clamps
⑥	Power service grounding electrode system
⑦	Electric service equipment

Note to CATV system installer

Article 820 of the National Electrical Code, ANSI/NFPA No. 40 provides guidance for correct grounding. Specifically, it states that the cable ground must be connected to the grounding system of the building as close to the point of cable entry as practical.

Condensation

Moisture will form on the TV if the TV is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, the TV's performance may be impaired. To prevent this, let the TV stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually. Condensation may also form during the summer if the TV is exposed to the breeze from an air conditioner. In such cases, change the location of the TV.

Mobile telephone warning

To avoid interference with your TV picture and sound, operating problems, or even damage, keep your cordless and cellular telephones away from the TV.

End of life directives

Your TV contains tin-lead solder and a fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated for environmental reasons. Your TV also contains material that can be recycled and reused.

Non-active pixels

The LCD panel contains almost 3 million thin film transistors, which provide exceptionally sharp video quality. Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green, or red point. These non-active pixels do not adversely affect the performance of your TV, and are not considered defects.

Installing the stand or wall-mount bracket

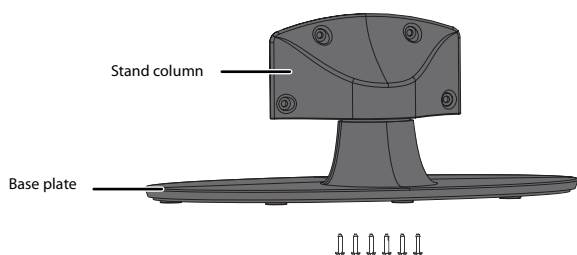
Notes

If you plan to wall-mount your TV, do not install the stand.
Store the stand and stand screws in case you decide to use the stand in the future.

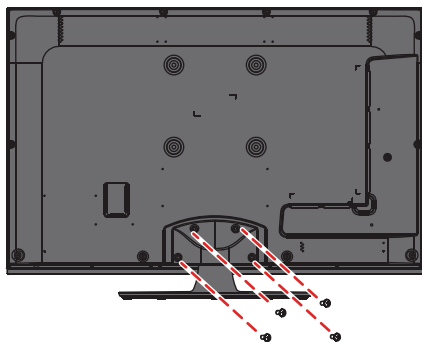
Installing the stand

To install the stand:

- 1 Insert the stand column into the base plate, aligning the ridges on the column with the grooves in the base plate.
- 2 Secure the stand column to the base plate with the six screws (SJ4, 16 mm) provided.



- 3 Carefully place your TV screen face-down on a cushioned, clean surface to protect the screen from damages and scratches.



- 4 Secure the stand to the screen with the four provided screws.

Installing a wall-mount bracket

Warning

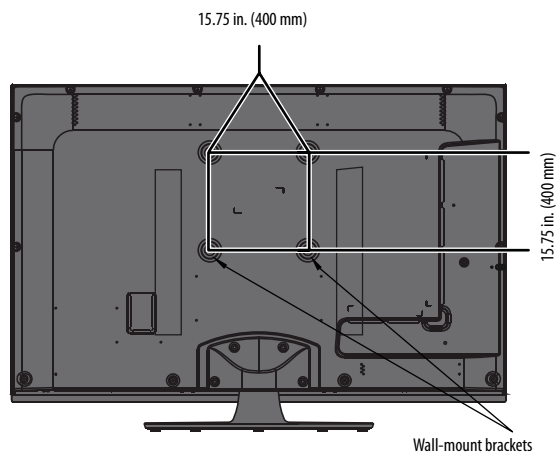
This apparatus is intended to be supported by a UL Listed wall mount bracket.

To attach your TV to a wall-mount bracket:

- 1 Carefully place your TV screen face-down on a cushioned, clean surface to protect the screen from damages and scratches.
- 2 Remove the four screws that secure the base to the stand, then remove the base.
- 3 Attach the wall-mount bracket to your TV using the mounting holes on the back of your TV. See the instructions that came with the wall-mount bracket for information about how to correctly hang your TV.

Note

The length of the wall-mount screws vary depending on the wall-mount bracket you purchased. See the instructions that came with the wall-mount bracket for screw lengths.

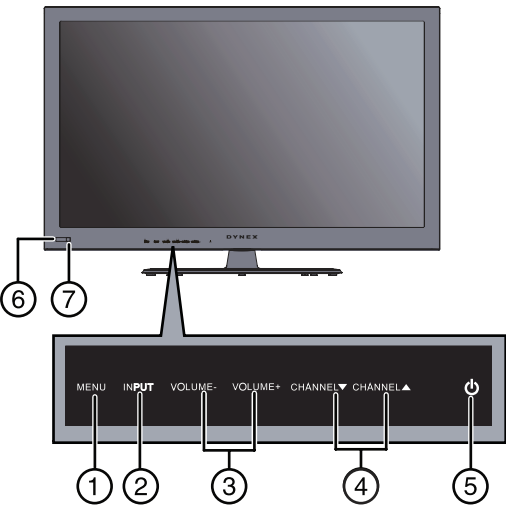


TV components

Package contents

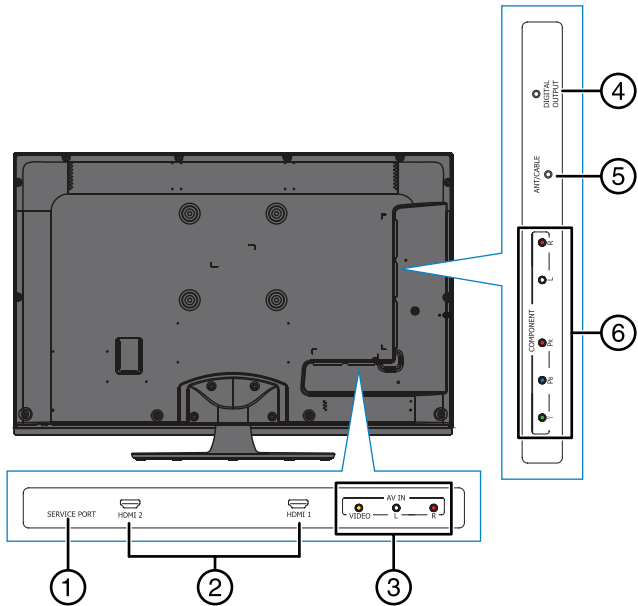
- Remote control and batteries (2 AAA)
- Stand with ten screws
- Composite video cable
- Audio cable
- Quick Setup Guide

Front



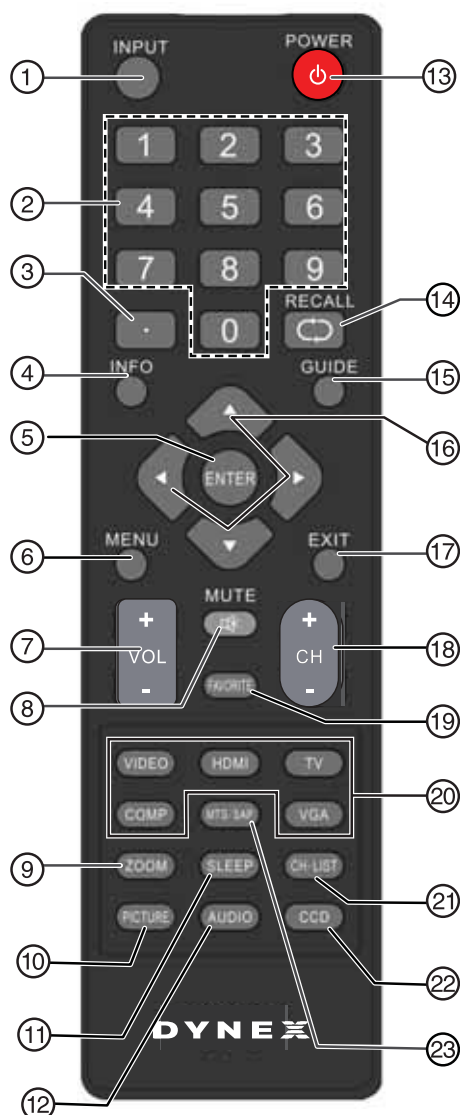
#	Item	Description
①	MENU	Press to open the on-screen menu. For more information, see "Navigating the menus" on page 17.
②	INPUT	Press to open the Source List, then press ▲ or ▼ to select a video input source. In menu mode, press to confirm selections.
③	VOLUME+ /VOLUME-	Press to increase or decrease the volume.
④	CHANNEL ▲ / CHANNEL ▼	Press to go to the next or previous channel in the channel list. For more information, see "Selecting a channel" on page 17.
⑤	⏻ (power)	Press to turn your TV on or off (Standby mode). When your TV is off, power still flows into it. To disconnect power, unplug the power cord.
⑥	Remote sensor	Receives the signals from the remote control. Do not block.
⑦	Power indicator	Turns off when your TV is turned on. Lights red when your TV is in standby mode. Turns off when power cord is unplugged. For more information, see "Turning your TV on or off" on page 16.

Back



#	Item	Description
①	Service port	For software update only. Do not use.
②	HDMI1/HDMI2	Connect an HDMI device to these jacks. An HDMI cable carries both video and sound. You do not need to make an audio connection for an HDMI device. For more information, see "Using HDMI (best)" on pages 8, 11, or 14. When connecting a DVI device using an HDMI-DVI adapter, connect the device to the HDMI1 jack.
③	AV IN	Connect the video cable from a composite video device to the VIDEO jack and the audio to the L and R jacks. For more information, see "Using composite video (good)" on page 9.
④	DIGITAL OUT	Connect an audio amplifier to this jack. For more information, see "Using digital audio" on page 14.
⑤	ANT/CABLE IN	Connect an antenna or cable TV to this jack. For more information, see "Connecting an antenna or cable TV (no box)" on page 10.
⑥	COMPONENT Y/Pb/Pr and L/R Audio IN	Connect the video for a component video device to these jacks. Connect the audio to the L and R jacks. For more information, see "Using component video (better)" on pages 9 or 12.

Remote control




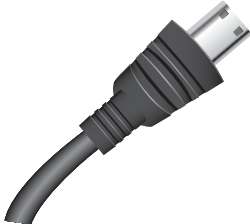

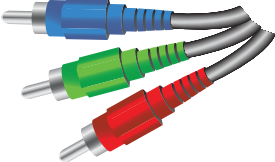

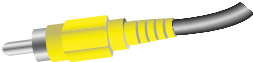


#	Button	Description
①	INPUT	Press to open the Source List, then press ▲ or ▼ to cycle through the available input sources. For more information, see "Selecting the video input source" on page 16.
②	Numbers	Press to enter channel numbers and the parental control password.
③	●	Press to enter a digital sub-channel number. For more information, see "Selecting a channel" on page 17.
④	INFO	Press to display TV status information, such as the channel number, channel name (if available), or signal source. For more information, see "Viewing channel information" on page 17.
⑤	ENTER	Press to confirm selections or changes.
⑥	MENU	Press to open the on-screen menu.
⑦	VOL +/VOL -	Press to increase or decrease the volume.
⑧	MUTE	Press to mute the sound. Press again to restore the sound.


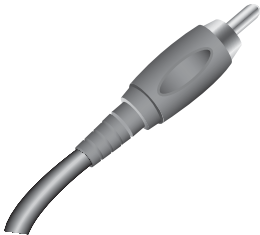

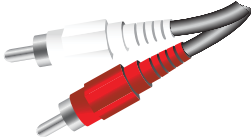
#	Button	Description
⑨	ZOOM	Press to select the aspect ratio. For more information, see "Adjusting the TV picture" on page 17.
⑩	PICTURE	Press to select the video modes. You can select Vivid , Standard , Energy Savings , or Custom . For more information, see "Adjusting the TV picture" on page 17.
⑪	SLEEP	Press to set the sleep timer. You can select Off, 5, 10, 15, 30, 60, 90, 120, 180, or 240 minutes. For more information, see "Setting the sleep timer" on page 27.
⑫	AUDIO	Press to select the sound mode. For more information, see "Adjusting sound settings" on page 18.
⑬	⏻ (power)	Press to turn your TV on or off (Standby mode). When your TV is off, power still flows into it. To disconnect power, unplug the power cord.
⑭	RECALL	In TV mode, press to return to the previous channel.
⑮	GUIDE	Press to display the program guide. For more information, see "Viewing channel information" on page 17.
⑯	▲ ▼ ◀ ▶	Press to move left, right, up, or down in on-screen menus.
⑰	EXIT	Press to close the on-screen menu.
⑱	CH +/CH -	Press to change TV channels to the next higher or next lower channel. For more information, see "Selecting a channel" on page 17.
⑲	FAVORITE	Press to open the Favorite Channel list. For more information, see "Setting up a favorite channel list" on page 19 and "Viewing a favorite channel" on page 20.
⑳	Video input	TV —Press to control your TV. COMP —Press to select the device connected to the COMPONENT video jacks. VIDEO —Press to select the device connected to the AV IN video jack. HDMI —Press one or more times to select the device connected to the HDMI 1 or HDMI 2 jack. VGA — N/A
㉑	CH-LIST	Press to open the channel list.
㉒	CCD	Press to turn closed captioning on or off. You can select CC Mode . For more information, see "Using closed captioning" on page 24.
㉓	MTS/SAP	Press to select the audio mode for an analog program. You can select: • MONO —Select this option if there is noise or static on weak stereo broadcasts. • STEREO —Select this option for programs broadcast in stereo.

Making connections

What connection should I use?

Your TV has several connection types for connecting devices to your TV. For the best video quality, you should connect a device to the best available connection. Use the following tables to identify cables:

Connection type and jack	Video quality	Cable connector
<div>HDMI video/audio</div> 	Best (use this if your devices have HDMI)	
<div>Component video (requires an audio connection)</div> 	Better than S-Video, composite, or coaxial	
<div>Composite video (requires an audio connection)</div> 	Better than coaxial	
<div>Coaxial video/audio</div> 	Good	

Connection type and jack	Cable connectors
<div>Digital coaxial audio</div> 	
<div>Analog audio</div> 	

You can use an HDMI jack to connect a DVI device to your TV. You need to attach an HDMI-to-DVI adapter to the end of the HDMI cable that connects to the DVI device.

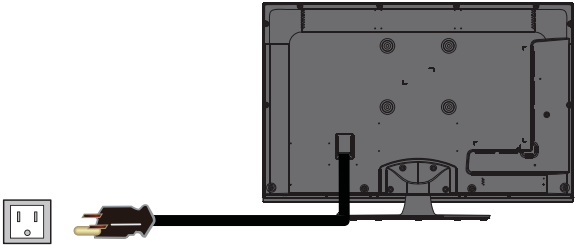
Cautions

- Check the jacks for position and type before making any connections.
- Loose connections can result in image or color problems. Make sure that all connections are tight and secure.
- The external audio/video equipment shown may be different from your equipment. If you have questions, refer to the documentation that came with your equipment.
- Always unplug the power cord when connecting external equipment.

Connecting power

To connect the power:

- Connect the AC power cord to the AC connector on the back of your TV, then plug the other end into a power outlet.



Notes

- Your TV should only be operated from the power source indicated on the label.
- Always unplug the AC power cord from the power outlet when you will not be using your TV for an extended period of time.

Connecting a cable or satellite box

Many cable or satellite TV boxes have more than one connection type. To get the best video, you should use the best connection type available. For more information, see "What connection should I use?" on page 7.

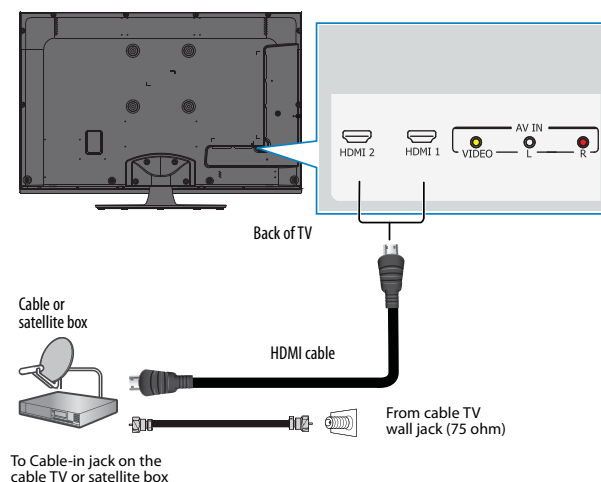
Notes:

- "If the signal level for a channel is weak, the picture may be distorted. Adjust the antenna or use a highly directional outdoor or set-top antenna with a built-in amplifier.
- "If the picture quality is good on some channels and poor on others, the problem may be caused by a poor or weak signal from the broadcaster or cable TV provider.
- "If you connect to cable or satellite TV without a set-top box and experience poor picture quality, you may need to install a set-top box to improve signal reception and picture quality. Contact your cable or satellite TV provider about upgrading to a set-top box.
- "Many high-definition (HD) channels upscale standard-definition (SD) content. The picture displayed on your TV is still displayed as SD, thus the picture quality will not be as clear or crisp as it would be if the content was originally recorded in HD.

Using HDMI (best)

To connect a cable or satellite box using HDMI:

- 1 Turn off your TV and all connected equipment.
- 2 Connect the incoming cable from the cable wall jack to the cable-in jack on the cable box.
- 3 Connect an HDMI cable (not included) to one of the HDMI ports on the back of your TV and to the **HDMI OUT** jack on the cable or satellite box.



- 4 Turn on your TV, then turn on the cable or satellite box.
- 5 Go through the setup wizard on page 16.

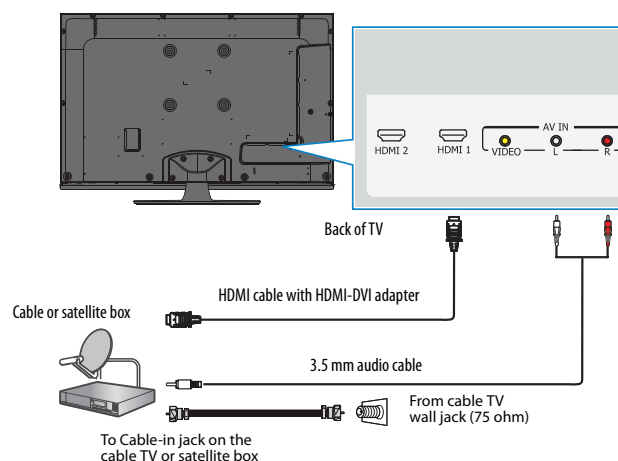
Notes

An HDMI cable carries both audio and video. You do not need to use any audio cables.

Using DVI (same as HDMI but requires an audio connection)

To connect a cable or satellite box using DVI:

- 1 Turn off your TV and all connected equipment.
- 2 Connect the incoming cable from the cable wall jack to the cable-in jack on the cable box.
- 3 Connect an HDMI-DVI adapter (not included) to one end of an HDMI cable (not included).
- 4 Connect the HDMI-DVI adapter to the **DVI OUT** jack on the cable or satellite box and to the **HDMI 1** jack on the side of your TV.

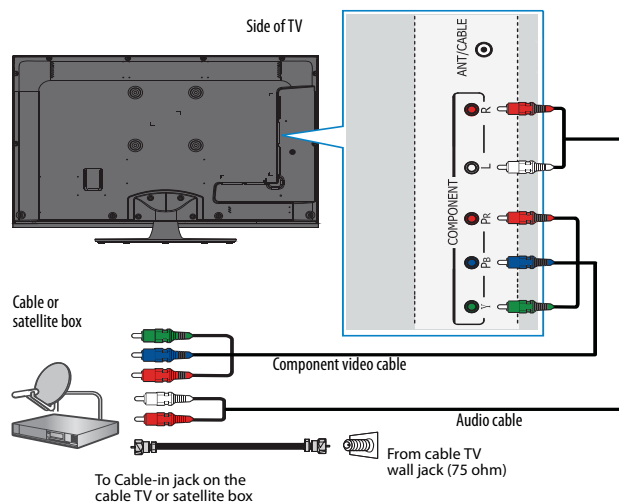


- 5 Connect a 3.5mm L+R audio cable (not included) to the AV audio in (L+R) jack on the back of your TV and to the **AUDIO OUT** jacks on the cable or satellite box.
- 6 Turn on your TV, then turn on the cable or satellite box.
- 7 Go through the setup wizard on page 16.

Using component video (better)

To connect a cable or satellite box using component video:

- 1 Turn off your TV and all connected equipment.
- 2 Connect the incoming cable from the cable wall jack to the cable-in jack on the cable box.
- 3 Connect a component video cable (not included) to the **Y**, **PB**, and **PR** jacks on the side of your TV and the component video out jacks on the cable or satellite box.



- 4 Connect an audio cable (not included) to the **L** and **R** audio jacks on the side of your TV and to the audio out jack on the cable or satellite TV box.

Note

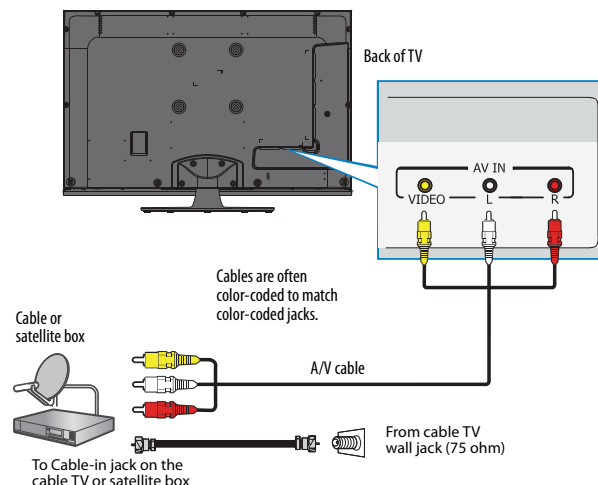
When you connect the audio using the **L** and **R** audio jacks, the audio output is analog. Your TV has a digital audio jack, so you can connect the video to the component video jacks and connect the audio to the digital audio jack to get digital audio output.

- 5 Turn on your TV, then turn on the cable or satellite box.
- 6 Go through the setup wizard on page 16.

Using composite video (good)

To connect a cable or satellite box using composite video:

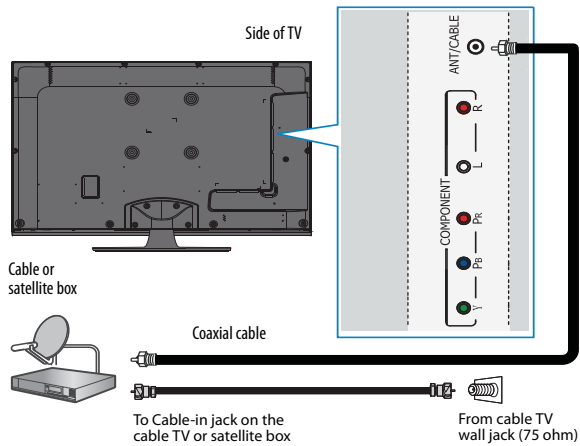
- 1 Turn off your TV and all connected equipment.
- 2 Connect the incoming cable from the cable wall jack to the cable-in jack on the cable box.
- 3 Connect an A/V cable (included) to the **AV IN** jacks on the back of your TV and to the composite video and audio out jacks on the cable or satellite box.



- 4 Turn on your TV, then turn on the cable or satellite box.
- 5 Go through the setup wizard on page 16.

Using coaxial (good)**To connect a cable or satellite box using coaxial:**

- 1 Turn off your TV and all connected equipment.
- 2 Connect the incoming cable from the cable wall jack to the cable-in jack on the cable or satellite box.
- 3 Connect a coaxial cable (not included) to the **ANT/CABLE IN** jack on the side of your TV and to the coaxial out jack on the cable or satellite box.



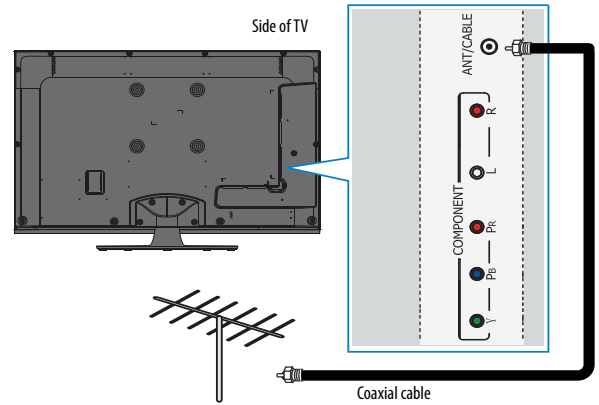
- 4 Turn on your TV, then turn on the cable or satellite box.
- 5 Go through the setup wizard on page 16.

Notes

- Use a coaxial cable to eliminate interference and noise from radio waves.
- Do not bundle the coaxial cable with the power cord or other cables.

Connecting an antenna or cable TV (no box)**To connect an antenna or cable TV (no box):**

- 1 Turn off your TV and all connected equipment.
- 2 Connect a coaxial cable to the **ANT/CABLE IN** jack on the side of your TV and to the antenna or cable TV wall jack.



- 3 Turn on your TV.
- 4 Go through the setup wizard on page 16.

Notes

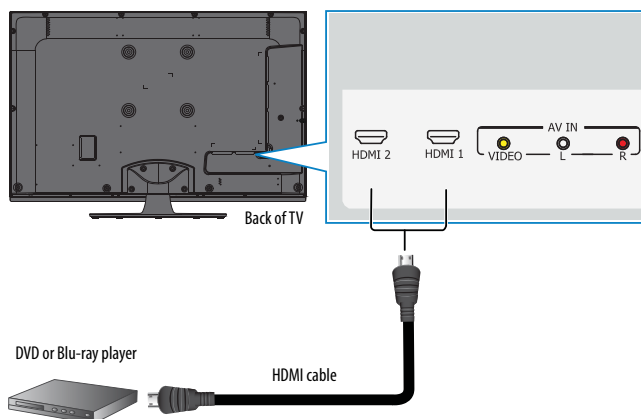
- Use a coaxial cable to eliminate interference and noise from radio waves.
- Do not bundle the coaxial cable with the power cord or other cables.
- If the antenna is not installed correctly, contact qualified service personnel to correct the problem.

Connecting a DVD or Blu-ray player

Using HDMI (best)

To connect a DVD or Blu-ray player using HDMI:

- 1 Make sure that your TV's power cord is unplugged and the DVD or Blu-ray player is turned off.
- 2 Connect an HDMI cable (not included) to an **HDMI** jack on the back of your TV and to the **HDMI OUT** jack on the DVD or Blu-ray player.



- 3 Turn on your TV, then turn on the DVD or Blu-ray player.
- 4 Press **INPUT** to open the *Source List*.
- 5 Press **▲** or **▼** to highlight **HDMI 1** or **HDMI 2**, then press **OK/ENTER**.

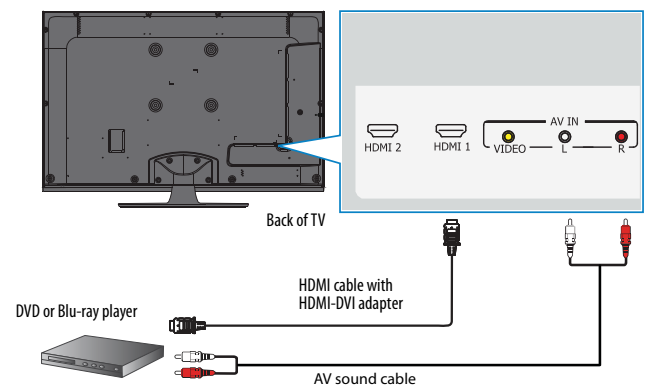
Note

You can also press **HDMI** repeatedly to select the DVD or Blu-ray player.

Using DVI (same as HDMI but requires a sound connection)

To connect a DVD or Blu-ray player using DVI:

- 1 Make sure that your TV's power cord is unplugged and the DVD or Blu-ray player is turned off.
- 2 Connect an HDMI-DVI adapter (not included) to one end of an HDMI cable (not included).
- 3 Connect the HDMI-DVI adapter to the **DVI OUT** jack on the DVD or Blu-ray player and to the **HDMI 1** jack on the back of your TV.



- 4 Connect an AV audio cable (L/R) to the **AV IN L** and **R** jacks on the back of your TV and to the **AUDIO OUT** jacks on the DVD or Blu-ray player.
- 5 Turn on your TV.
- 6 Turn on the DVI device, then set it to the output mode. See the documentation that came with the device for more information.
- 7 Press **INPUT** to open the *Input Source* list.
- 8 Press **▲** or **▼** to select **HDMI 1** then press **OK/ENTER**.

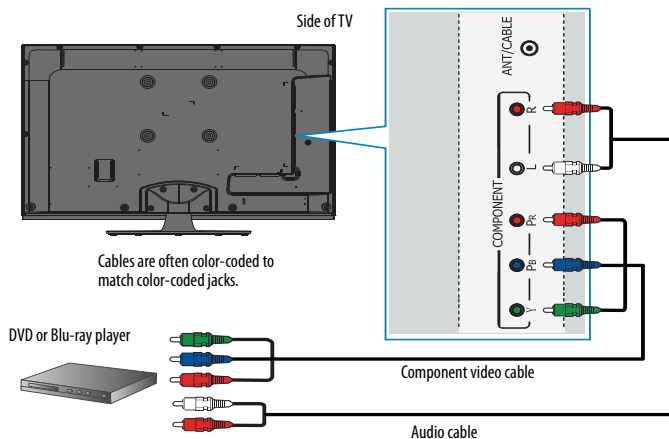
Note

You can also press **HDMI** repeatedly to select the **HDMI 1** or **HDMI 2**.

Using component video (better)

To connect a DVD or Blu-ray player using component video:

- 1 Make sure that your TV's power cord is unplugged and the DVD or Blu-ray player is turned off.
- 2 Connect a component video cable (not included) to the **Y/Pb/Pr** (component video) jacks on the side of your TV and to the **COMPONENT OUT** jacks on the component video device.



- 3 Connect an audio cable (not included) to the **L/R** (audio in) jacks on the side of your TV and to the **L/R AUDIO OUT** jacks on the component video device.

Notes

When you connect the audio using the **L** and **R** audio jacks, the audio output is analog. Your TV has a digital audio jack, so you can connect the video to the component video jacks and connect the audio to the digital audio jack to get digital audio output.

- 4 Turn on your TV, then turn on the DVD or Blu-ray player.
- 5 Press **INPUT** to open the *Input Source* list.
- 6 Press **▲** or **▼** to select **Component**, then press **OK/ENTER**.

Note

You can also press **COMP** to select the component DVD or Blu-ray player.

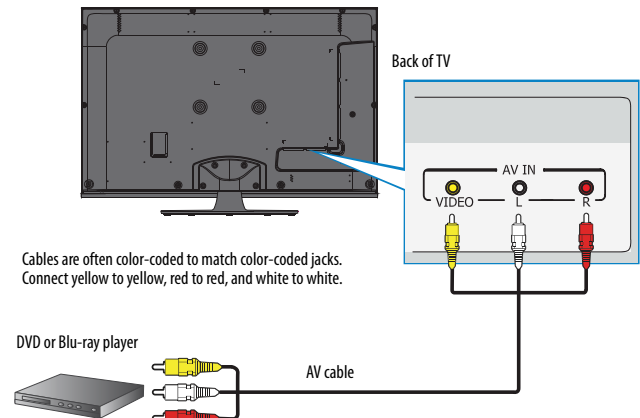
Using composite video (good)

To connect a DVD or Blu-ray player using composite video:

- 1 Make sure that your TV's power cord is unplugged and the DVD or Blu-ray player is turned off.
- 2 Connect an AV cable (included) to the **AV IN** jacks on the back of your TV and to the **AV OUT** jacks on the DVD or Blu-ray player.

Note

When you connect the audio using the **L** and **R** audio jacks, the audio output is analog.



- 3 Turn on your TV, then turn on the DVD or Blu-ray player.
- 4 Press **INPUT** to open the *Input Source* list.
- 5 Press **▲** or **▼** to select **AV**, then press **OK/ENTER**.

Notes

- You can also press **VIDEO** to select the DVD or Blu-ray player.
- If you are not using the included audio cable for another device, you can use it and a standard one-plug video cable instead of the three-plug cable shown in this task.

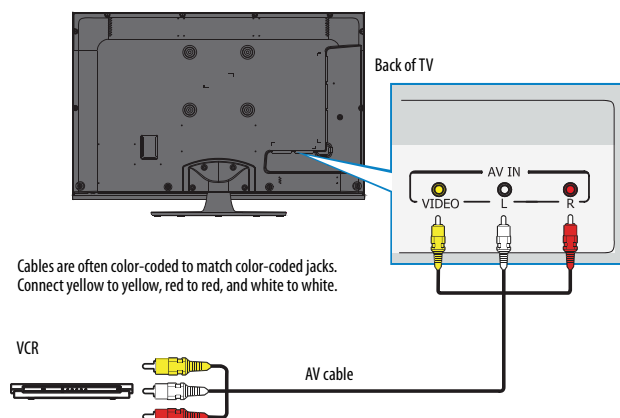
Connecting a VCR

To connect a VCR:

- 1 Make sure that your TV's power cord is unplugged and the VCR is turned off.
- 2 Connect an AV cable (included) to the **AV IN** jacks on the back of your TV and to the **AV OUT** jacks on the VCR.

Note

When you connect the audio using the **L** and **R** audio jacks, the audio output is analog.



- 3 Turn on your TV, then press **INPUT** to open the *Input Source* list.
- 4 Press **▲** or **▼** to select **AV**, then press **OK/ENTER**.

Note

You can also press **VIDEO** to select the VCR.

- 5 Turn on the VCR, insert a videotape, then press **PLAY** on the VCR.

Connecting a camcorder or game console

Note

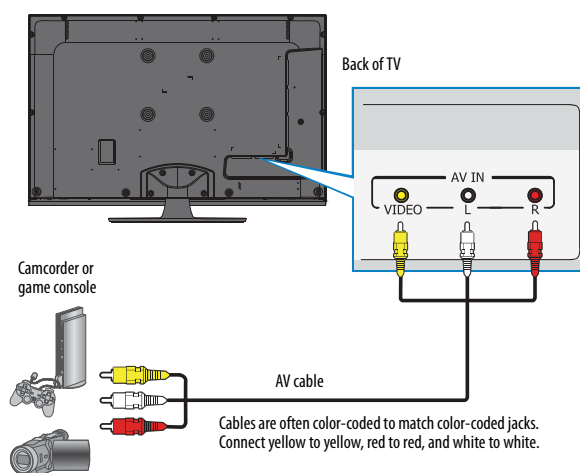
If your camcorder or game console has an HDMI connection, we recommend that you use the HDMI connection to get the best quality possible.

To connect a camcorder or game console:

- 1 Make sure that your TV's power cord is unplugged and the camcorder or game console is turned off.
- 2 Connect an AV cable (included) to the **AV IN** jacks on the back of your TV and to the **AV OUT** jacks on the camcorder or game console.

Note

When you connect the audio using the **L** and **R** audio jacks, the audio output is analog.



- 3 Turn on your TV, then press **INPUT** to open the *Input Source* list.
- 4 Press **▲** or **▼** to select **AV**, then press **OK/ENTER**.

Note

You can also press **VIDEO** to select the camcorder or game console.

Connecting a computer

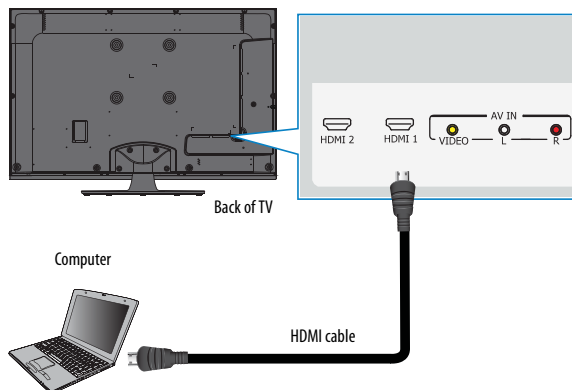
Tip

Some computers have an HDMI jack. You can use an HDMI cable to connect the computer for a better picture and sound.

Using HDMI

To connect a computer using HDMI:

- 1 Make sure that your TV's power cord is unplugged and the computer is turned off.
- 2 Connect an HDMI cable (not included) to an **HDMI** jack on the back of your TV and to the **HDMI OUT** jack on the computer.



- 3 Turn on your TV, then turn on the computer
- 4 Press **INPUT** to open the *Source List*.
- 5 Press **▲** or **▼** to highlight **HDMI 1** or **HDMI 2**, then press **OK/ENTER**.

Note

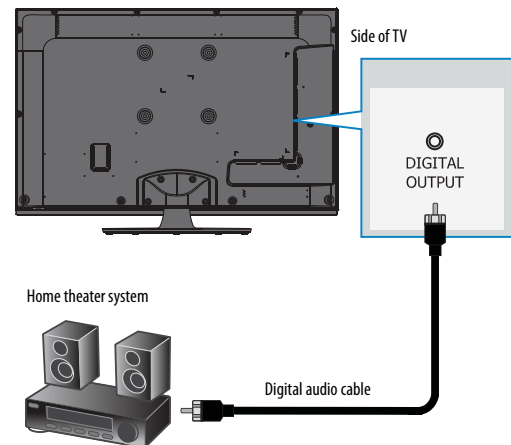
You can also press **HDMI** repeatedly to select the computer.

Connecting a basic home theater system

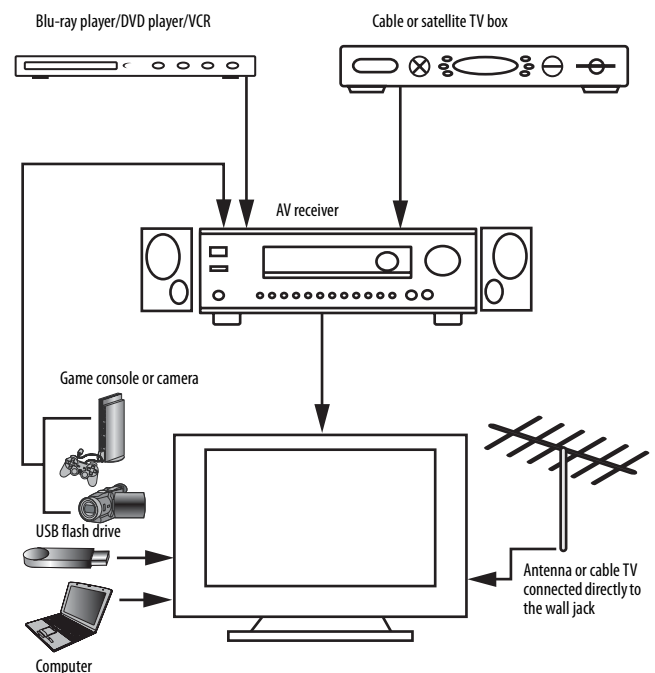
Using digital audio

To connect a basic home theater system using digital audio:

- 1 Make sure that your TV's power cord is unplugged and the home theater system is turned off.
- 2 Connect a digital coaxial audio cable to the digital output jack on the side of your TV and to the digital coaxial audio jack on the digital home theater system.



Connecting a home theater system with multiple devices



The connections you make depend on the video and audio jacks available on your devices. Refer to the documentation that came with your devices for connection information.

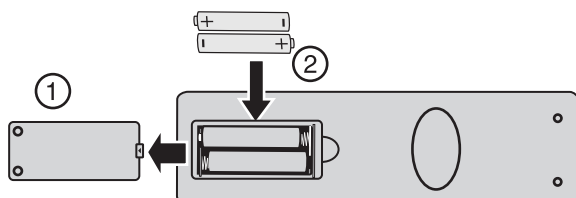
Remember to use the best connection types available for the best picture and sound. For information about connection types, see "What connection should I use?" on page 7.

Using the remote control

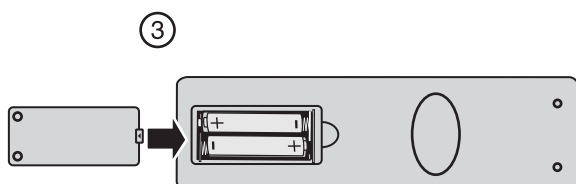
Installing remote control batteries

To install the remote control batteries:

- 1 Remove the battery cover.



- 2 Insert two AAA batteries into the battery compartment. Make sure that you match the + and – symbols on the batteries with the + and – symbols in the battery compartment.



- 3 Replace the battery cover.

Cautions

- Batteries should not be exposed to excessive heat, such as sunshine, heat registers, or fire.
- Battery chemicals can cause a rash. If the batteries leak, clean the battery compartment with a cloth. If chemicals touch your skin, wash immediately.
- Make sure that batteries are disposed of correctly. Do not burn or incinerate.

Aiming the remote control

To aim the remote control:

- Point the remote control towards the remote sensor on the front of your TV.

Turning on your TV for the first time

The first time you turn on your TV, the Setup Wizard opens. The Setup Wizard guides you through setting up basic settings including the menu language, picture mode, TV signal source, and the channel list.

To set up your TV:

- 1 Make sure that you have:
 - Installed the remote control batteries. (See page 15 for details).
 - Connected an antenna, cable TV, or satellite TV. (See page 8 or 10 for details.)
 - Connected the power cord. (See page 7 for details.)

- 2 Press **⏻** (power) to turn on your TV. The *Choose your menu Language* screen opens.



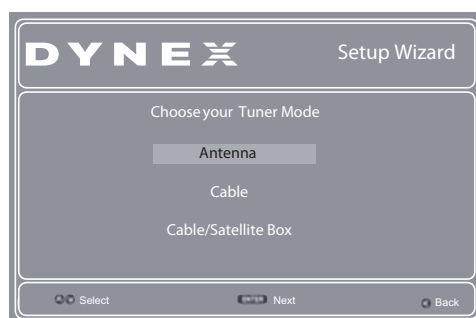
- 3 Press **▲** or **▼** to highlight the language you want, then press **ENTER**. The *Choose your Picture Mode* screen opens.



- 4 Press **▲** or **▼** to highlight **Home Mode** or **Retail Mode**, then press **ENTER**.

If you selected **Retail Mode**, a message appears "Are you sure you want retail mode?" Select **Yes** to continue, or select **No** to change your selection.

The *Choose your Tuner Mode* screen opens.



- 5 Press **▲** or **▼** to highlight **Antenna**, **Cable**, or **Cable/Satellite Box** (if your cable TV uses a box, select **Cable/Satellite Box**), then press **ENTER**. If you chose **Antenna** or **Cable**, your TV automatically starts scanning for channels available in your viewing area. If you chose **Cable/Satellite Box**, your TV does not need to scan for channels.



- 6 To watch TV, press **INPUT**, press **▲** or **▼** to highlight the video input source for your TV in the *INPUT SOURCE* list, then press **ENTER**.

- If your TV is connected to an antenna, cable TV (no box), or cable or satellite TV box using a coaxial cable, select **TV**.
- If your TV is connected to a cable or satellite box using an HDMI cable or HDMI cable with a DVI adapter, select **HDMI 1** or **HDMI 2**.
- If your TV is connected to a cable or satellite box using a component video cable, select **Component**.
- If your TV is connected to a cable or satellite box using a composite video cable, select **AV**.

Understanding the basics

Turning your TV on or off

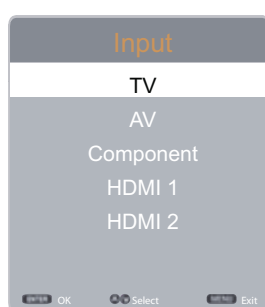
To turn your TV on or off:



- 1 Make sure that the power cord is connected to a power outlet.
- 2 Press  (power) to turn on your TV. The power indicator LED turns off.
- 3 Press  (power) again to turn off your TV. Your TV enters Standby mode and the power indicator LED turns red.

Selecting the video input source

To select the video input source:

- 1 Turn on your TV, then press **INPUT**. The *Input Source* list opens.



- 2 Press  or  to highlight a video input source, then press **ENTER**.

You can also press a direct input button to select the video input source.

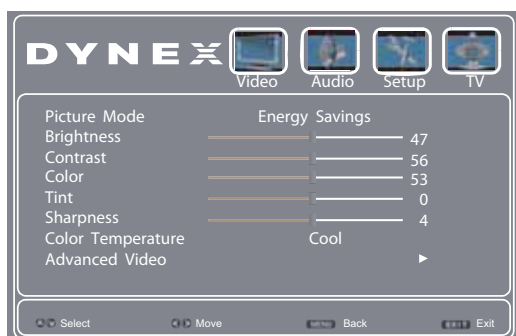
- Press **TV** to select **TV**.
- Press **VIDEO** to select **AV IN VIDEO**.
- Press **COMP** to select **COMPONENT IN**.
- Press **HDMI** once to select **HDMI 1**. Press twice to select **HDMI 2**.

Using the on-screen menus

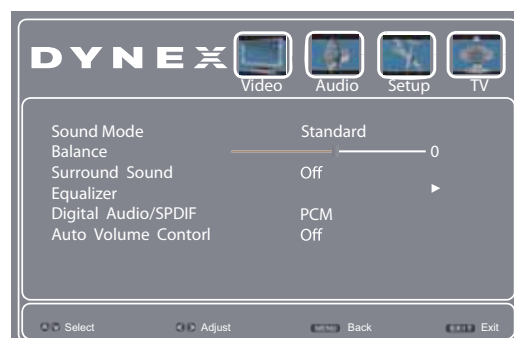
Notes

- Depending on the signal source selected, you may see different options on your screen. The following menus are shown in TV mode.
- Menu items that are not selectable are grayed out.
- Menus in this manual are described in TV mode, unless otherwise indicated.
- The screens shown in this manual are for explanation purposes and may vary from the actual screens on your TV.

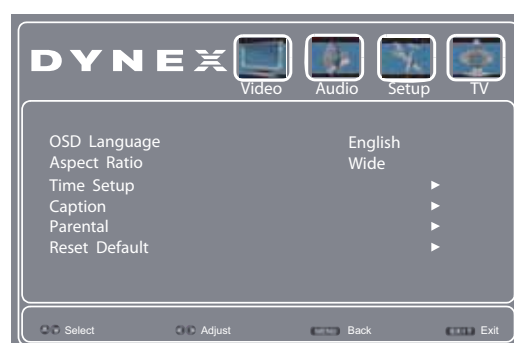
Video menu (TV mode)



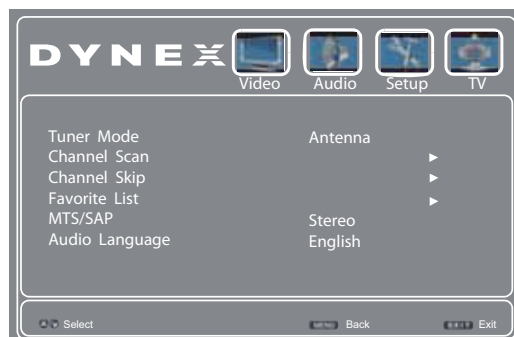
Audio menu (TV mode)



Setup menu (TV mode)



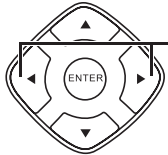
TV menu (TV mode)



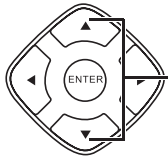
Navigating the menus



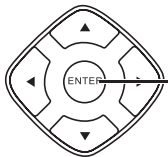
Press **MENU** to open the on-screen menu.



Press the right or left arrow to move the cursor on the screen or to adjust a selected item.



Press the up or down arrow to select menu options.



Press **ENTER** to confirm a selection or enter a sub-menu.



Press **MENU** to return to the previous menu.



Press **EXIT** to close the menu.

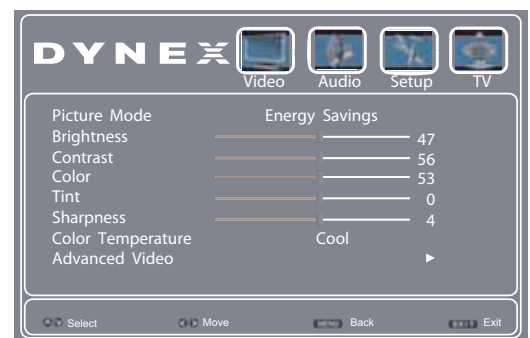
- Analog channel information—Displays channel number, channel label (if preset), signal type, audio information, and resolution.
- Press **GUIDE** to show the digital program guide, which may present a list of available programs, program times, and program summaries, depending on the information provided by the broadcaster.

Adjusting the picture

Adjusting the TV picture

To adjust the TV picture:

- 1 Press **MENU**. The on-screen menu opens with the *Video* menu displayed.



- 2 Press **▲** or **▼** to highlight an option, then press **◀** or **▶** to adjust the option. You can select:

- **Picture Mode**—Selects the picture mode. You can select:
 - **Vivid**—(a bright and vivid picture). Significantly increases the contrast, brightness, and sharpness. This selection is good for video games, animation, and in bright light environments.
 - **Standard**—(a standard picture). Moderately increase the contrast, brightness, and sharpness. This selection is good for standard TV broadcasts.
 - **Energy Savings**—(the backlight brightness is decreased). Your TV has a backlight that provides light for displaying a picture. By reducing the amount of light, your TV uses less energy.
 - **Custom**—(customized picture). Lets you manually adjust picture settings such as brightness, contrast, and sharpness.

Note

You can also press **PICTURE** to select the picture mode.

Selecting a channel

To select a channel:

- Press **CH+** or **CH-** to go to the next or previous channel on the memorized channel list.
- Press the number buttons to enter the channel number you want, then wait for the channel to change or press **ENTER** to immediately change the channel.
- To select a digital sub-channel, press the number buttons to select the main digital channel, press **●** (dot), then press the number button for the sub-channel. Wait for the channel to change, or press **ENTER** to immediately change the channel. For example, to tune to channel 5.1, press **5**, **●** (dot), then **1**.
- Press **RECALL** to go to the last viewed channel.
- Press **CH-LIST** to open the channel list, press **▲** or **▼** to highlight a channel, then press **ENTER**. Hidden channels are grayed out in this Channel List.
- Press **FAVORITE** to open the favorite channel list, press **▲** or **▼** to highlight a channel, then press **ENTER**.

Adjusting the volume

To adjust the volume:

- Press **VOL +** or **VOL -** to increase or decrease the volume.
- Press **MUTE** to turn off the sound. Press **MUTE** again to turn the sound back on.

Viewing channel information

To view channel information:

- Press **INFO** to display an information banner. The information banner shows the current program information such as channel number, video input source, and resolution.
 - Digital channel information—Displays the channel number, station name, channel label, broadcast program name, TV rating, signal type, audio information, resolution, CC mode, current time, and current program start and end times.

- **Brightness**—Adjusts the brightness of the dark areas of the picture.
- **Contrast**—Adjusts the brightness of the light areas of the picture.
- **Color**—Adjusts the color intensity of the picture. A low setting may make the color look faded. A high setting may make the color look artificial.
- **Tint**—Adjusts the color balance of the picture. Use this control to make skin tones look more natural.
- **Sharpness**—Adjusts the color detail of images. If you set this control too high, dark images may appear with light or white edges.
- **Color Temperature**—Selects the color temperature. You can select **Cool** (to enhance the blues), **Normal**, or **Warm** (to enhance the reds).

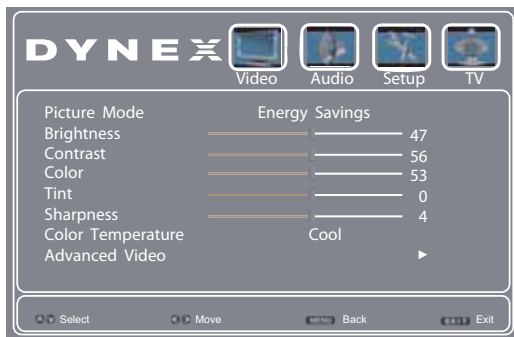
- **Advanced Video**—Opens the *PICTURE-Advanced Video* menu where you can adjust additional video options.
 - **Noise Reduction**—Selects the noise reduction mode to reduce picture noise (snow). You can select **Low**, **Middle**, **Strong**, or **Off**.
 - **Adaptive Contrast**—Automatically adjusts picture detail and brightness. You can select **On** or **Off**.
- 3 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Adjusting the sound

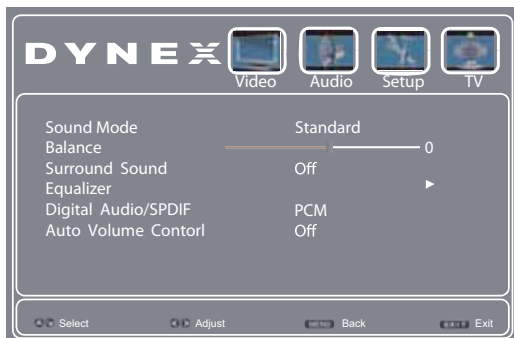
Adjusting sound settings

To adjust sound settings:

- 1 Press **MENU**. The on-screen menu opens.



- 2 Press ◀ or ▶ to highlight **AUDIO**, then press ▼. The **AUDIO** menu opens.



- 3 Press ▲ or ▼ to highlight an option, then press ◀ or ▶ to adjust the option. You can select:
- **Sound Mode**—Selects the sound mode. You can select **Standard**, **News**, **Custom**, or **Music**.
 - **Balance**—Adjusts the balance between the left and right audio channels.
 - **Surround Sound**—Turns the surround sound effect **On** or **Off**.
 - **Equalizer**—Lets you select the frequency you want to adjust or change its value.
 - **Digital Audio/SPDIF**—Sends digital audio to an external audio system. You can select **PCM** (to select to output audio in 2-channel stereo), or **RAW** (to pass through the original digital audio sound).
 - **Auto Volume Control**—Lets you turn automatic volume control **On** or **Off**. When this option is turned on, it keeps the audio within a preset range, to eliminate large spikes in volume.

- 4 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Changing channel settings

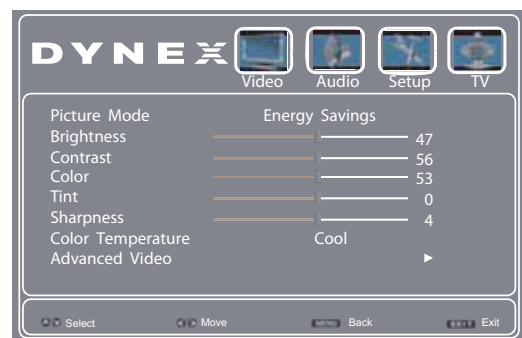
Automatically scanning for channels

When you scan for channels, your TV searches for channels with signals and stores the channel information in the channel list. When you press **CH +** or **CH -**, your TV goes to the next or previous channel in the channel list.

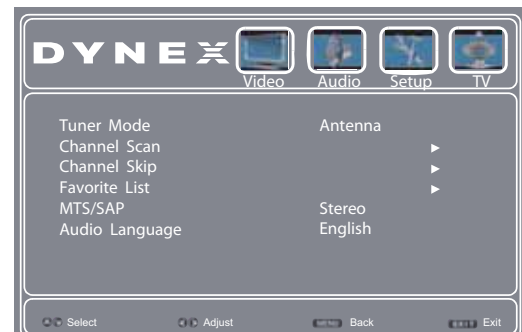
If the TV signal source changes, for example you change from an outdoor antenna to cable TV (no box), you need to scan for channels.

To automatically scan for channels:

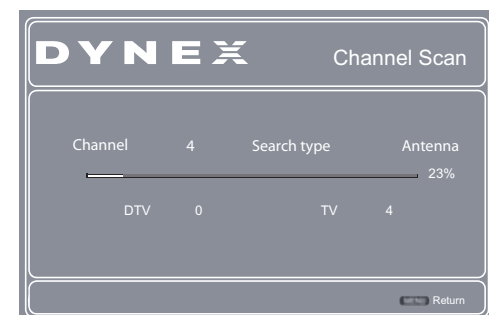
- 1 Press **MENU**. The on-screen menu opens.



- 2 Press ◀ or ▶ to highlight **TV**, then press ▼. The **TV** menu opens.



- 3 Press ▲ or ▼ to highlight **Tuner Mode**, then press ◀ or ▶ to select **Antenna**, **Cable**, or **Cable/Satellite Box**.
- 4 Press ▲ or ▼ to highlight **Channel Scan**, then press **ENTER**. The **TV-Channel Scan** screen opens.



- If you are using an antenna for a standard or HD TV signal, select **Antenna**.
- If your cable is connected to your TV through a tuner box, select **Cable/Satellite Box**.

If you selected **Antenna** or **Cable**, your TV searches automatically for available channels in your area and stores the channel information in the channel list. This may take several minutes. While searching, the TV displays a progress report.

If you selected **Cable/Satellite Box**, the channel search is not necessary.

Note

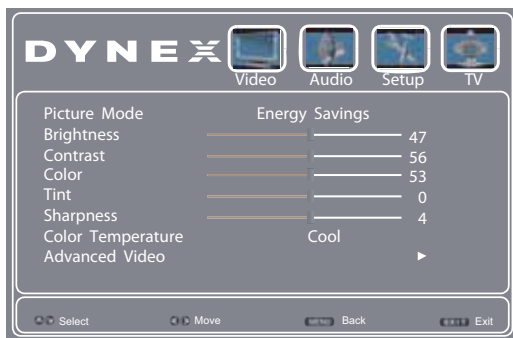
You can press **EXIT** to stop the auto channel search, but you will need to run the auto channel search again to create a channel list.

Hiding channels

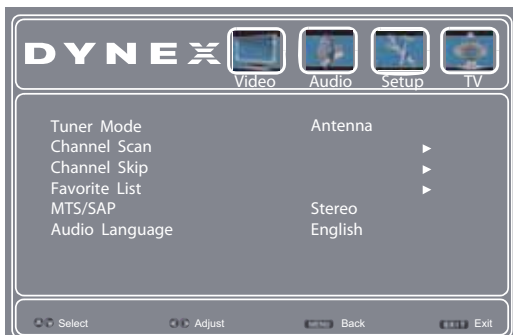
You can hide channels in the channel list. When you press \wedge or \vee , your TV skips the hidden channels. You can still tune to a hidden channel by pressing the number buttons for the channel.

To hide channels:

- 1 Press **MENU**. The on-screen menu opens.



- 2 Press \blacktriangleleft or \blacktriangleright to highlight **TV**, then press \blacktriangledown . The TV menu opens.



- 3 Press \blacktriangle or \blacktriangledown to highlight **Channel Skip**, then press **ENTER**. The Channels list opens.



- 4 Press \blacktriangle or \blacktriangledown to highlight the channel you want to hide, then press **ENTER**. The check mark disappears.

Notes

- A channel with a check mark is not hidden. A channel with no check mark is hidden.
- If the list has more than one page, press \blacktriangle or \blacktriangledown to scroll through the pages.

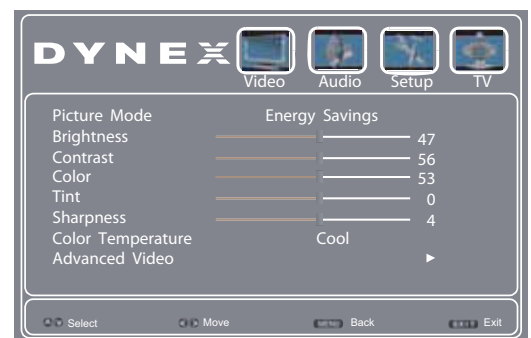
- 5 Press **EXIT** to close the menu.

Setting up a favorite channel list

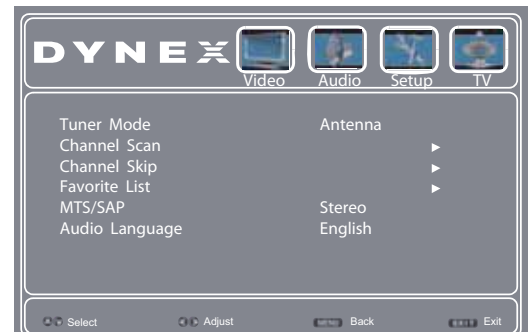
You can create a favorite channel list so you can quickly browse through your favorite channels by pressing **FAVORITE**, then selecting a channel from the favorite channel list.

To set up a favorite channel list:

- 1 Press **MENU**. The on-screen menu opens.



- 2 Press \blacktriangleleft or \blacktriangleright to highlight **TV**, then press \blacktriangledown . The TV menu opens.



- 3 Press \blacktriangle or \blacktriangledown to highlight **Favorite List**, then press **ENTER**. The TV-Favorite List screen opens.



- Press **▲** or **▼** to highlight the channel you want to add to the favorites list, then press **ENTER**. A check mark appears next to the channel.

Notes

- To remove a channel from the favorites list, highlight the channel, then press **ENTER**. The check mark disappears and the channel is removed from the list.
- If the list has more than one page, press **▲** or **▼** to scroll through the pages.

- Press **EXIT** to close the menu.

Viewing a favorite channel

To view a favorite channel:

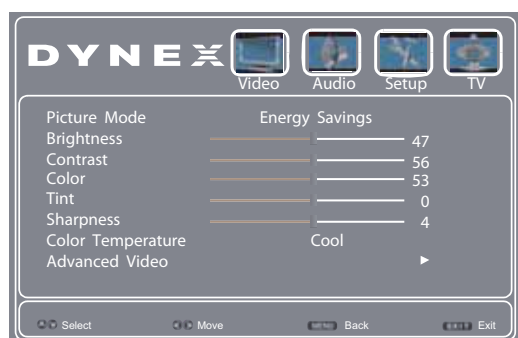
- Press **FAVORITE** on the remote control. The favorite channel list opens.
- Press **▲** or **▼** to highlight a channel, then press **ENTER**.

Using MTS/SAP

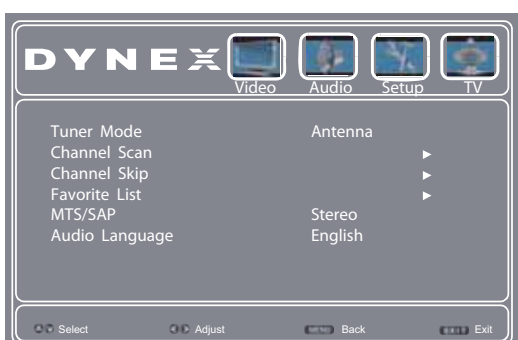
You can select the default audio stream when watching analog TV.

To use **MTS/SAP**:

- Press **MENU**. The on-screen menu opens.



- Press **◀** or **▶** to highlight **TV**, then press **▼**. The **TV** menu opens.



- Press **▲** or **▼** to highlight **MTS/SAP**, then press **◀** or **▶** to select the default audio stream you want. You can select:
 - MONO**—if there is noise or static on weak stereo broadcasts.
 - STEREO**—for programs broadcast in stereo.
 - SAP**—to listen to a secondary audio program (if available).

Note

You can also press **MTS/SAP** on the remote control one or more times to select the audio mode.

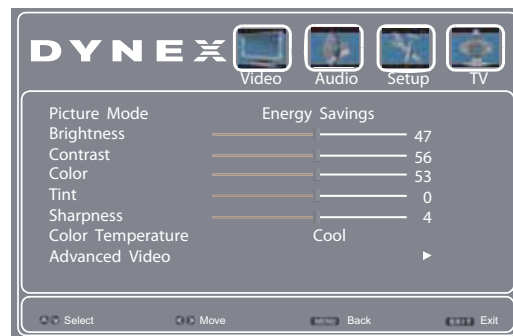
- Press **EXIT** to close the menu.

Selecting an audio language

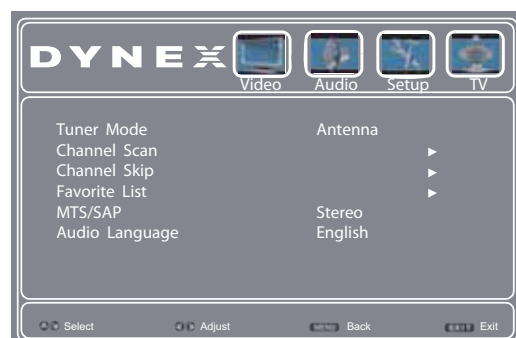
You can select the default audio language to listen to when watching digital TV programs.

To select the audio language:

- Press **MENU**. The on-screen menu opens.



- Press **◀** or **▶** to highlight **TV**, then press **▼**. The **TV** menu opens.



- Press **▲** or **▼** to highlight **Audio Language**, then press **◀** or **▶** to select the default audio language you want. You can select:
 - English**
 - Spanish**
 - French**
- Press **EXIT** to close the menu.

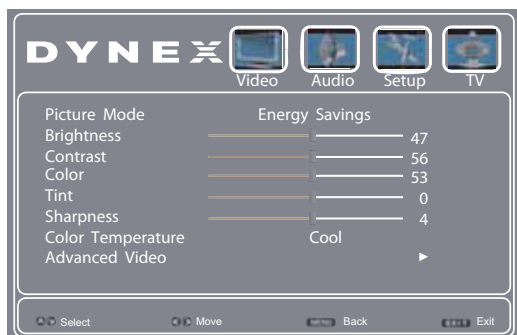
Setting parental controls

Setting or changing the password

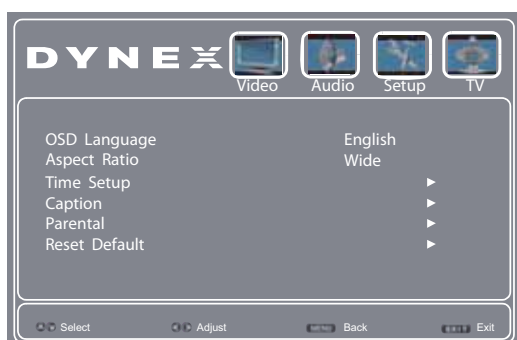
Parental controls let you prevent your children from watching inappropriate material on TV. When set, parental controls read the rating of the program (with some exceptions, such as news and sports) and deny access to programs that exceed the ratings level you select. To watch programs that exceed the selected rating, you must enter a password.

To set or change the password:

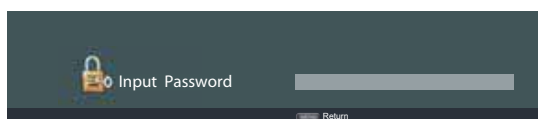
- 1 Press **MENU**. The on-screen menu opens.



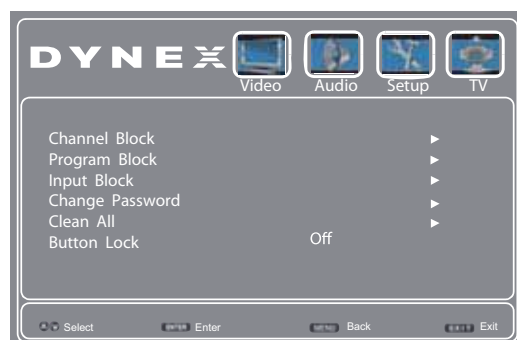
- 2 Press **◀** or **▶** to highlight **Setup**, then press **▼**. The *Setup* menu opens.



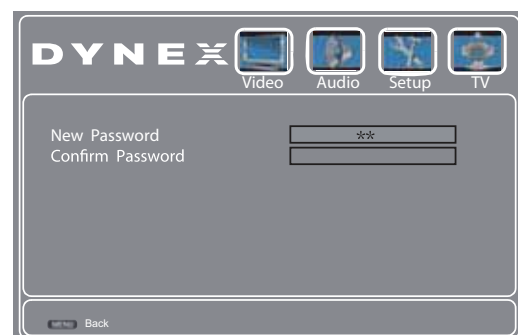
- 3 Press **▼** to highlight **Parental**, then press **ENTER**. The *Input Password* screen opens.



- 4 Press the number buttons to enter the four-digit password. The default password is **0000**. You should change the password to a number you can remember. The *Parental* menu opens.



- 5 Press **▲** or **▼** to highlight **Change Password**, then press **ENTER**. The password entry screen opens.



- 6 Press the number buttons to enter a password, then enter the password again. The *Parental* menu opens again.

Note

If you forget your password, enter **9999**.

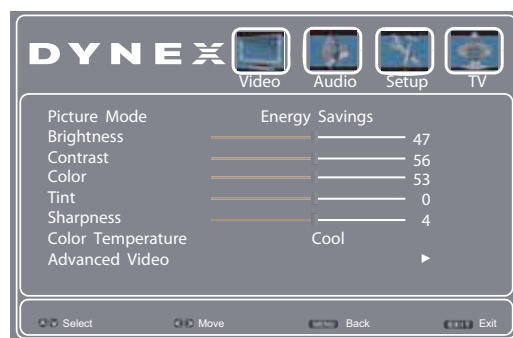
- 7 Press **EXIT** to close the menu.

Locking control buttons

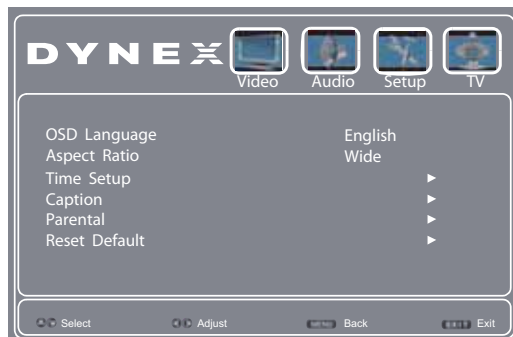
When the button lock is turned **On**, the buttons on the side of your TV are locked and you can only operate your TV using the remote control.

To lock control buttons:

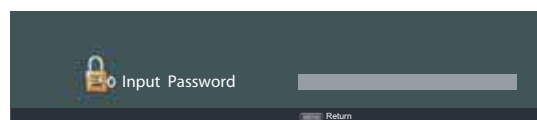
- 1 Press **MENU**. The on-screen menu opens.



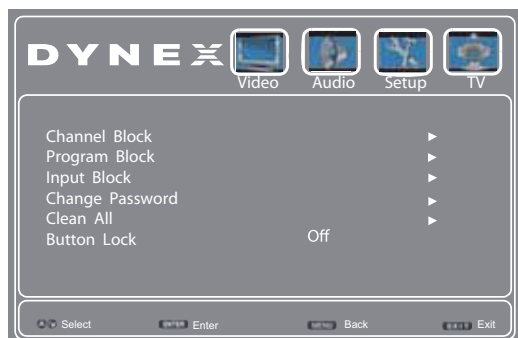
- 2 Press **◀** or **▶** to highlight **Setup**, then press **▼**. The *Setup* menu opens.



- 3 Press **▼** to highlight **Parental**, then press **ENTER**. The *Input Password* screen opens.



- 4 Press the number buttons to enter the four-digit password. The *Setup-Parental* menu opens.



- 5 Press **▲** or **▼** to highlight **Button Lock**, then press **◀** or **▶** to select **On** (locks the buttons), or **Off** (unlocks the buttons).
6 Press **EXIT** to close the menu.

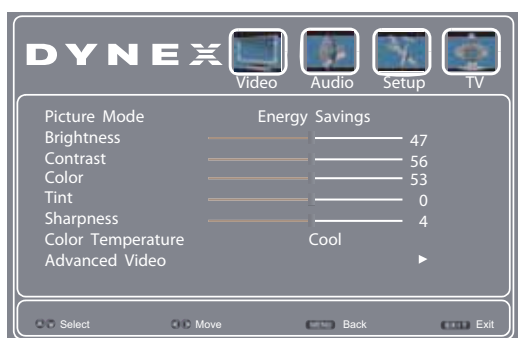
Setting parental control levels

You can set parental controls for the U.S. and Canada.

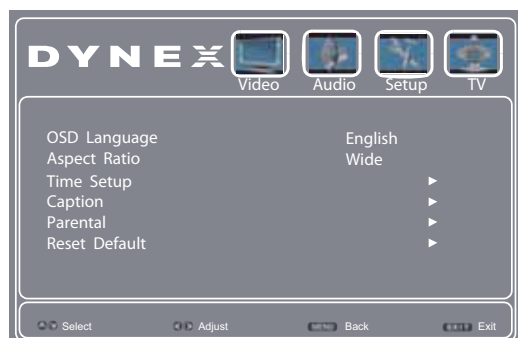
The following task shows how to set controls for U.S. TV ratings. You use similar steps for setting U.S. movie and Canadian TV ratings.

To set parental control levels:

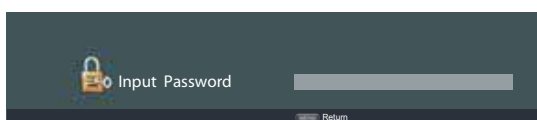
- 1 Press **MENU**. The on-screen menu opens.



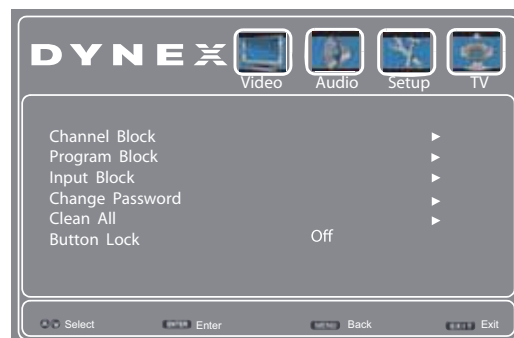
- 2 Press **◀** or **▶** to highlight **Setup**, then press **▼**. The *Setup* menu opens.



- 3 Press **▼** to highlight **Parental**, then press **ENTER**. The *Input Password* screen opens.



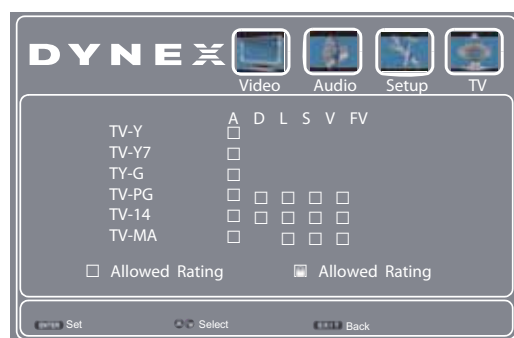
- 4 Press the number buttons to enter the four-digit password. The *Setup-Parental* menu opens.



- 5 Press **▲** or **▼** to highlight **Program Block**. The *Program Block* menu opens with **Rating Enable** highlighted.



- 6 Press **◀** or **▶** to select **On** or **Off**.
7 Press **▲** or **▼** to highlight **US TV Ratings**, **US Movie Ratings**, **Canadian English Ratings**, or **Canadian French Ratings**, then press **▶** or **ENTER**. If you highlighted **US TV Ratings**, the *TV Rating* sub-menu opens.



- 8 Press **▲** **▼** **◀** or **▶** to highlight the rating you want to block, then press **ENTER**. A lock symbol appears when a rating is blocked.

Note

When you block a rating, that rating and all higher ratings are blocked.

- 9 Press **EXIT** to close the menu.

TV/Movie ratings charts

U.S. TV ratings (age-based)	
TV-Y	All children
TV-Y7	Children over seven years of age
TV-G	General audiences
TV-PG	Parental guidance suggested
TV-14	Parents strongly cautioned
TV-MA	Mature audiences only

U.S. TV ratings (content-based)	
All	All ratings are blocked
FV	Fantasy violence
L	Adult language
S	Sexual situations
V	Violence
D	Sexually suggestive dialog

U.S. movie (MPAA) ratings	
None	Movie not rated
G	General audiences
PG	Parental guidance suggested
PG-13	Suitable for children 13 and older
R	Parental guidance suggested for children under 17
NC-17	Not suitable for children under 17
X	Adults only

Canadian English ratings	
E	Exempt programming
C	Children
C8+	Children over 8 years old
G	General audiences
PG	Parental guidance
14+	Over 14 years old
18+	Adult programming

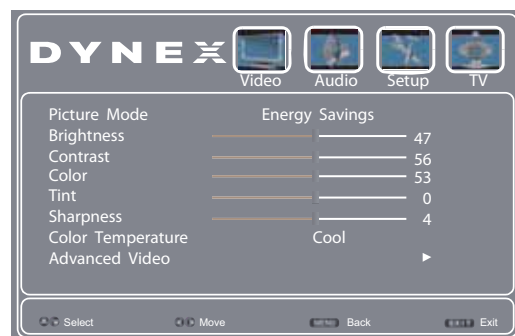
Canadian French ratings	
E	Exempt programming
G	General audiences
8ans+	Over 8 years old
13ans+	Over 13 years old
16ans+	Over 16 years old
18ans+	Adult programming

Downloading rating information

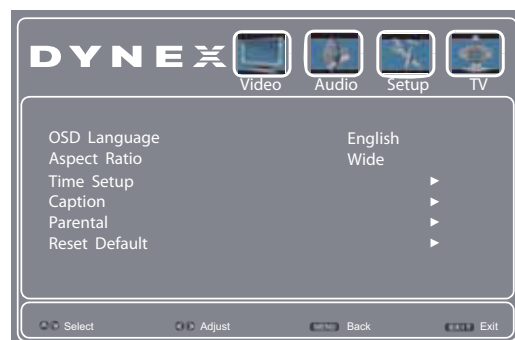
You can download rating information to use when setting parental controls by enabling the optional **Open V-Chip** setting in parental controls. If the program is broadcast with **Open V-Chip** rating information, the information is downloaded automatically.

To download rating information:

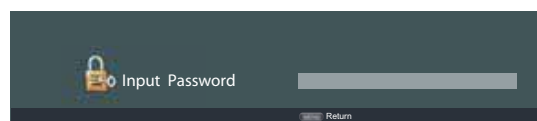
- 1 Press **MENU**. The on-screen menu opens.



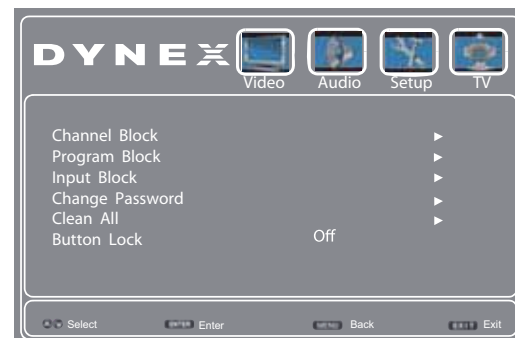
- 2 Press **◀** or **▶** to highlight **Setup**, then press **▼**. The **Setup** menu opens.



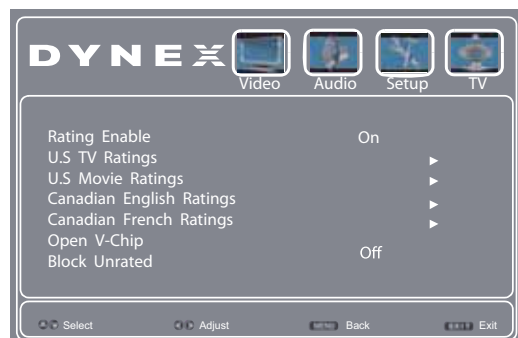
- 3 Press **▼** to highlight **Parental**, then press **ENTER**. The **Input Password** screen opens.



- 4 Press the number buttons to enter the four-digit password. The **Setup-Parental** menu opens.



- 5 Press **▲** or **▼** to highlight **Program Block**. The *Program Block* menu opens.



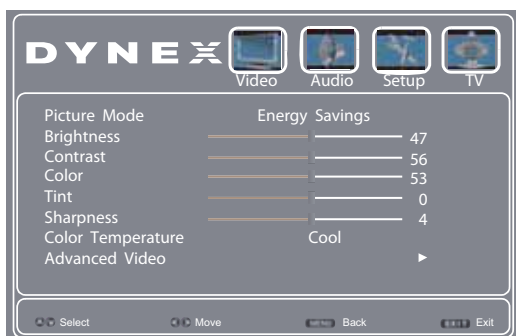
- 6 Press **▲** or **▼** to highlight **Open V-Chip**, then press **ENTER**. The *Open V-Chip* menu opens. You can set the rating level according to the Open V-Chip rating information.
- 7 Press **EXIT** to close the menu.

Blocking unrated TV

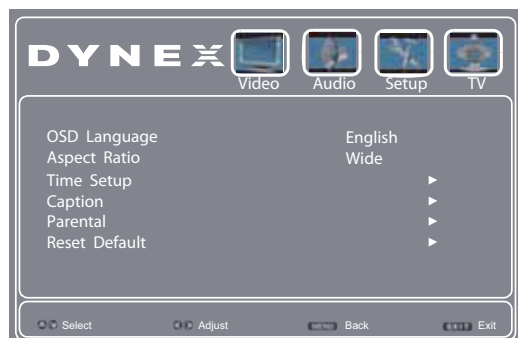
Not all TV programs have a rating, such as news or sports programs. You can block all unrated programs from displaying on your TV.

To block unrated TV:

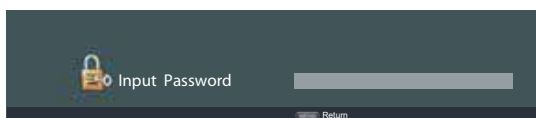
- 1 Press **MENU**. The on-screen menu opens with the *Picture* menu displayed.



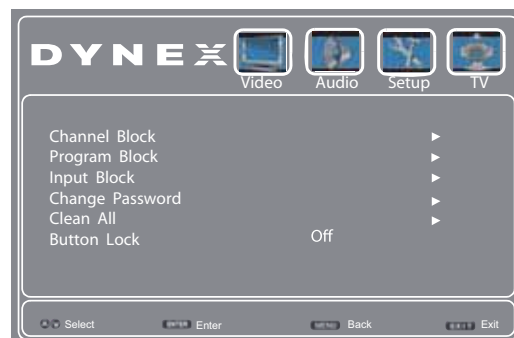
- 2 Press **◀** or **▶** to highlight **Setup**, then press **▼**. The *Setup* menu opens.



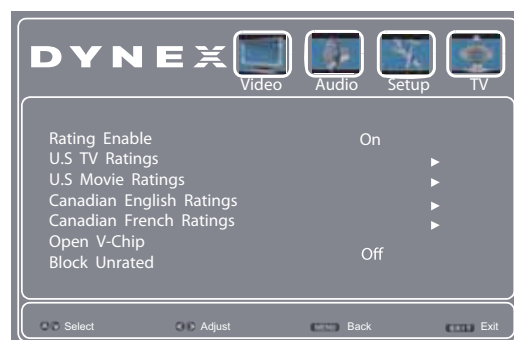
- 3 Press **▼** to highlight **Parental**, then press **ENTER**. The *Input Password* screen opens.



- 4 Press the number buttons to enter the four-digit password. The *Setup-Parental* menu opens.



- 5 Press **▲** or **▼** to highlight **Program Block**. The *Program Block* menu opens.



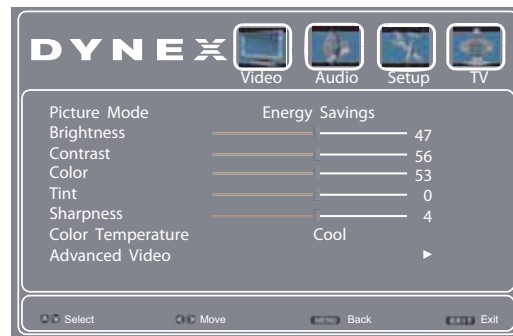
- 6 Press **▲** or **▼** to highlight **Block Unrated**, then press **◀** or **▶** to select **On** (to block unrated TV), or **Off** (to unlock unrated TV).
- 7 Press **EXIT** to close the menu.

Using closed captioning

Selecting the analog closed captioning mode

To select the analog closed captioning mode:

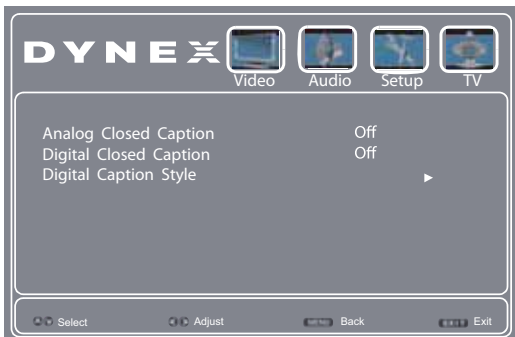
- 1 Press **MENU**. The on-screen menu opens.



- 2 Press ◀ or ▶ to highlight **Setup**, then press ▼. The *Setup* menu opens.



- 3 Press ▲ or ▼ to highlight **Caption**, then press ENTER. The *Setup-Caption* menu opens.

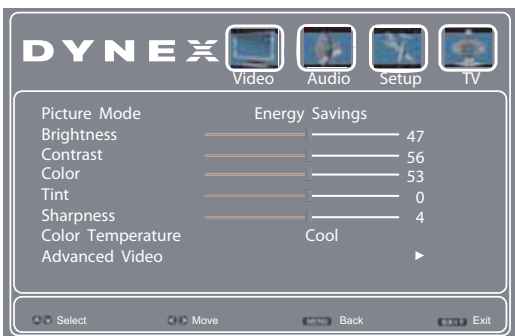


- 4 Press ▲ or ▼ to highlight **Analog Closed Caption**, then press ▲ or ▼ to select an analog caption setting. You can select:
- **CC1** through **CC4**—Closed captioning appears in a small banner across the bottom of the screen. **CC1** is usually the “printed” version of the audio. **CC2** through **CC4** display content provided by the broadcaster.
 - **Text1** through **Text4**—Closed captioning that covers half or all of the screen. **Text1** through **Text4** display content provided by the broadcaster.
- 5 Press **EXIT** to close the menu.

Customizing digital closed captioning styles

To customize digital closed captioning styles:

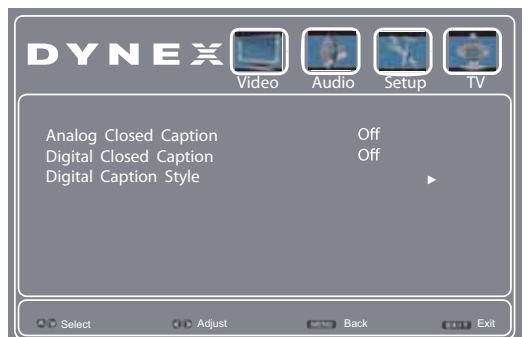
- 1 Press **MENU**. The on-screen menu opens.



- 2 Press ◀ or ▶ to highlight **Setup**, then press ▼. The *Setup* menu opens.



- 3 Press ▲ or ▼ to highlight **Caption**, then press ENTER. The *Setup-Caption* menu opens.



- 4 Press ▲ or ▼ to highlight **Digital Closed Caption** (only available for digital stations), then press ◀ or ▶ to highlight a digital caption setting. You can select **Service1** through **Service6**.
- 5 Press **MENU** to return to the previous menu, press ▲ or ▼ to highlight **Digital Caption Style**, then press ENTER. The *Digital Caption Style* menu opens.



- 6 Press ▲ or ▼ to highlight **Digital Caption Style**, then press ◀ or ▶ to select **Custom**.

Note

To reset the close caption styles to their defaults, set **Style** to **As Broadcaster**.

- 7 Press ▲ or ▼ to highlight a style, then press ◀ or ▶ to adjust the style. You can select:
- **Font Size**—Selects the font size.
 - **Font Style**—Selects the font style.
 - **Font Color**—Selects the color for the words.
 - **Font Opacity**—Selects the opacity level for the words.
 - **Background Color**—Selects the color for the background.

- **Background Opacity**—Selects the opacity level for the background.
- **Window Color**—Selects the edge color.
- **Window Opacity**—Selects the edge style.

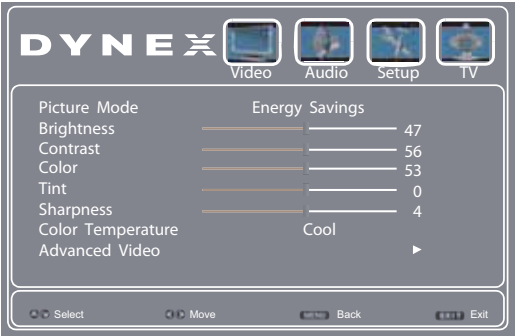
8 Press **EXIT** to close the menu.

Adjusting the aspect ratio

Setting the aspect ratio

To set the aspect ratio:

1 Press **MENU**. The on-screen menu opens.



2 Press **◀** or **▶** to highlight **Setup**, then press **▼**. The *Setup* menu opens.



3 Press **▲** or **▼** to highlight **Aspect Ratio**, then press **◀** or **▶** to select an aspect ratio. You can select **Normal**, **Zoom**, **Wide**, or **Cinema**.

Aspect ratio option	Example
Normal: Displays the original aspect ratio with vertical black bars on the left and right sides of the screen.	
Zoom: Expands the image to fill the screen. The top and bottom of the image may be cropped.	
Wide: Use this option to view content recorded in a 16:9 (wide-screen) aspect ratio.	
Cinema: Stretches the image at the edges, but keeps a clear image in the center.	

Note

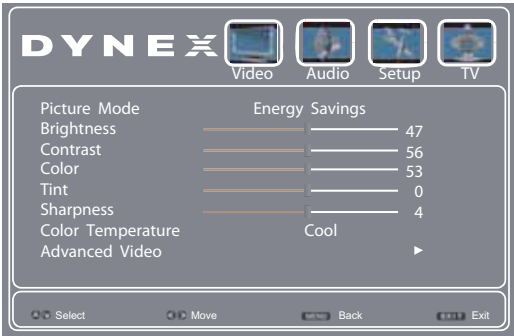
You can also press **ZOOM** to select the aspect ratio.

Adjusting time settings

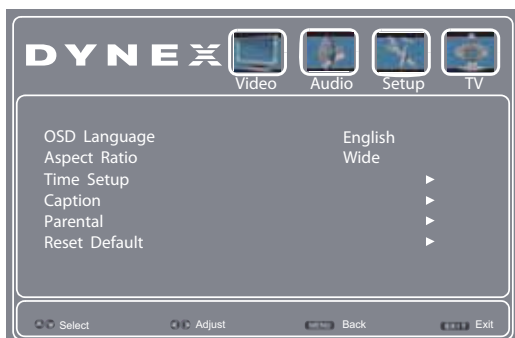
Setting the clock

To set the clock:

1 Press **MENU**. The on-screen menu opens.



- 2 Press ◀ or ▶ to highlight **Setup**, then press ▼. The *Setup* menu opens.



- 3 Press ▲ or ▼ to highlight **Time Setup**, then press ENTER. The *Setup-Time* menu opens.



- 4 Press ▲ or ▼ to highlight **Time Zone**, then press ◀ or ▶ to select your time zone setting. You can select: **Alaska, Hawaii, Eastern Time, Indiana, Central Time, Mountain Time, Arizona, or Pacific Time.**



- 5 Press ▲ or ▼ to highlight **Time**, then press ENTER. The *Setup-Time* menu opens.



- 6 Press ▲ or ▼ to highlight **Auto Synchronization**, then press ◀ or ▶ to select **Off** (to set the date and time manually), or **On** (the date and time are set automatically by the TV signal, based on your time zone).

- 7 If you selected **Off** for **Auto Synchronization**:

- Press ▲ or ▼ to highlight **Date**, then press ◀ or ▶ to go to the **month, date, or year** field. Press the number buttons to adjust the setting.
- Press ▲ or ▼ to highlight **Time**, press ◀ or ▶ to the **hour, minute, or AM/PM** field, then press the number buttons to adjust the hour and minute settings. Press **ENTER** to set AM or PM.

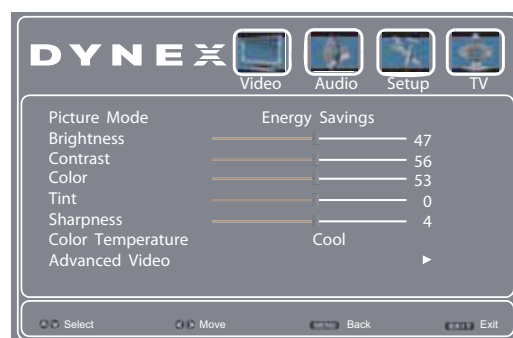
- 8 Press **EXIT** to close the menu.

Setting the sleep timer

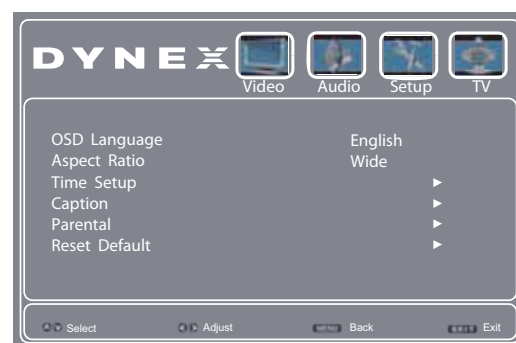
You can specify the amount of time before your TV automatically turns off.

To set the sleep timer:

- 1 Press **MENU**. The on-screen menu opens.



- 2 Press ◀ or ▶ to highlight **Setup**, then press ▼. The *Setup* menu opens.



- 3 Press ▲ or ▼ to highlight **Time Setup**, then press ENTER. The *Setup-Time* menu opens.



- 4 Press **▲** or **▼** to highlight **Sleep Timer**, then press **◀** or **▶** to select the amount of time before your TV turns off automatically. To turn off the sleep timer, select **Off**.
- 5 Press **EXIT** to close the menu.

Note

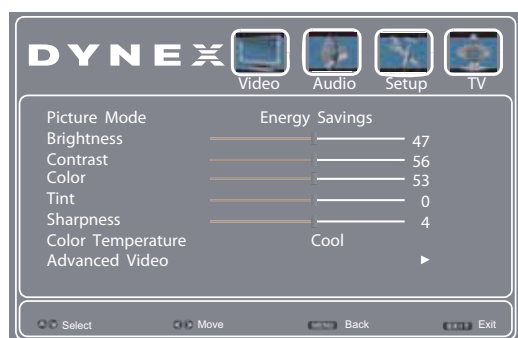
You can also press **SLEEP** to set the sleep timer.

Adjusting menu settings

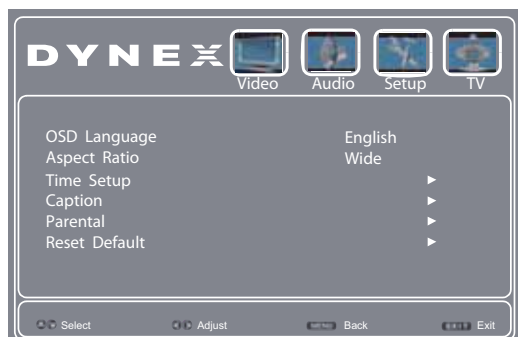
Selecting the menu language

To select the menu language:

- 1 Press **MENU**. The on-screen menu opens.



- 2 Press **◀** or **▶** to highlight **Setup**, then press **▼**. The **Setup** menu opens.



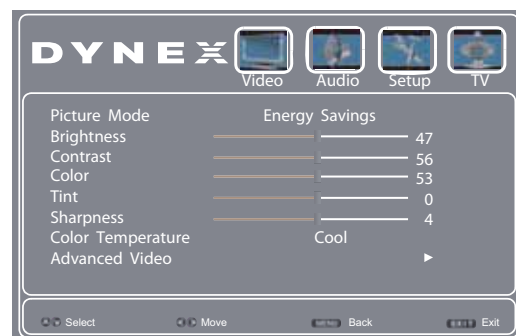
- 3 Press **▲** or **▼** to highlight **OSD Language**, then press **◀** or **▶** to select the language you want.
- 4 Press **EXIT** to close the menu.

Restoring settings to the defaults

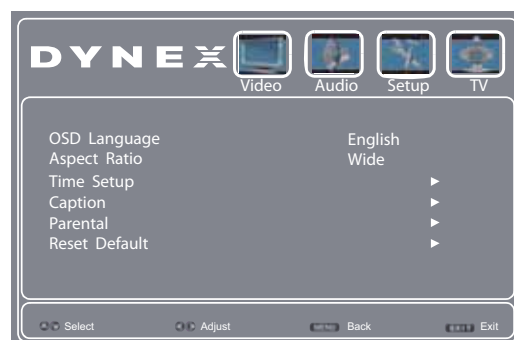
When you restore default settings, all the settings you have customized (except the password and parental rating) are reset.

To restore settings to the defaults:

- 1 Press **MENU**. The on-screen menu opens.



- 2 Press **◀** or **▶** to highlight **Setup**, then press **▼**. The **Setup** menu opens.



- 3 Press **▲** or **▼** to highlight **Reset Default**, then press **ENTER**. A confirmation box opens.
- 4 Press **▲** or **▼** to select **Yes** (to reset) or **No** (to not reset), then press **ENTER**.
- 5 Press **EXIT** to close the menu.

Maintaining

- Do not use your TV in areas that are too hot or too cold, because the cabinet may warp or the screen may malfunction. Your TV works best in temperatures that are comfortable to you.
- Storage temperatures are 32° to 122°F (0° to 50°C).
- Working temperatures are 41° to 104°F (5° to 40°C).
- Do not place your TV in direct sunlight or near a heat source.

Cleaning the TV cabinet

Clean the cabinet with a soft, lint-free cloth. If the cabinet is especially dirty, moisten a soft, lint-free cloth in a weak detergent solution, squeeze the excess moisture from the cloth, then wipe the screen or cabinet with the cloth. Use a clean cloth to dry the screen or cabinet.

Cleaning the TV screen


Clean the screen with a soft, lint-free cloth.

Troubleshooting

Warning

Do not try to repair your TV yourself. Contact authorized service personnel.

Video and audio

Problem	Solution
Picture does not fill the screen. There are black bars around the picture.	<ul style="list-style-type: none"> Change the aspect ratio. An increasing amount of digital TV and movies are presented in wide screen (16:9). See "Adjusting the TV picture" on page 17.
No picture (screen is not lit) and no sound.	<ul style="list-style-type: none"> Press  on the TV or the remote control. Make sure that the video cables are connected securely to the back of your TV. Adjust the contrast and brightness. See "Adjusting the TV picture" on page 17. Make sure that the power cord is plugged in. Make sure that the correct video input source is selected. See "Selecting the video input source" on page 16. Try another channel. The station may be experiencing problems. Make sure that the incoming signal is compatible. Make sure the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 8 or "Connecting an antenna or cable TV (no box)" on page 10. Check the closed caption settings. Some TEXT modes can block the screen.
Dark, poor, or no picture (screen is lit), but sound is good.	<ul style="list-style-type: none"> Try another channel. The station may be experiencing problems. Make sure that the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 8 or "Connecting an antenna or cable TV (no box)" on page 10. Adjust the brightness. See "Adjusting the TV picture" on page 17. Make sure that the correct picture mode is selected. See "Adjusting the TV picture" on page 17. If you are using an antenna, the digital channel signal may be low. If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier. Make sure that the video cables are connected securely to the back of your TV. The video cable(s) you are using may be bad. Try a new set.
No color, dark picture, or color is not correct.	<ul style="list-style-type: none"> Try another channel. The station may be experiencing problems. Adjust the color saturation. See "Adjusting the TV picture" on page 17. Make sure that the video cables are connected correctly and securely to the back of your TV. Make sure that the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 8 or "Connecting an antenna or cable TV (no box)" on page 10. If you are using an antenna, the digital channel signal may be low. If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier.

Problem	Solution
Only snow (noise) appears on the screen.	<ul style="list-style-type: none"> Try another channel. The station may be experiencing problems. Make sure that the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 8 or "Connecting an antenna or cable TV (no box)" on page 10. If you are using an antenna, the digital channel signal may be low. If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier.
Dotted lines or stripes appear on the screen.	<ul style="list-style-type: none"> Make sure that the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 8 or "Connecting an antenna or cable TV (no box)" on page 10. If you are using an antenna, the digital channel signal may be low. If you are using an antenna and the signal strength is low, adjust the antenna or use a highly directional outdoor antenna or set-top antenna with a built-in amplifier. Make sure that the video cables are connected securely to the back of your TV. The video cable(s) you are using may be bad. Try a new set. Other devices (for example, surround sound receiver, external speakers, fans, or hair dryers) may be interfering with your TV. Try turning off one device at a time to determine which device is causing interference. After you have determined which device is causing interference, move it further from the TV to eliminate the interference.
Double images.	<ul style="list-style-type: none"> Use a highly directional outdoor antenna, cable TV, or satellite TV.
The picture has a few bright or dark spots.	<ul style="list-style-type: none"> A few bright or dark spots on an LCD screen is normal. It does not affect the operation of this TV.
Good picture, but no sound.	<ul style="list-style-type: none"> Increase the volume. Make sure that the sound is not muted. Unplug the headphones. Make sure that the correct audio mode is selected. Make sure that the audio cables are connected correctly and securely to the back of your TV. Make sure that the antenna or cable TV is connected correctly and securely. See "Connecting a cable or satellite box" on page 8 or "Connecting an antenna or cable TV (no box)" on page 10. If you are using an antenna, the digital channel signal may be low. The audio cable(s) you are using may be bad. Try a new set.
Picture quality is good on some channels and poor on others. Sound is good.	<ul style="list-style-type: none"> The problem may be caused by a poor or weak signal from the broadcaster or cable TV provider. If you connect to cable or satellite TV without a set-top box and experience poor picture quality, you may need to install a set-top box to improve signal reception and picture quality. Contact your cable or satellite TV provider about upgrading to a set-top box.

Problem	Solution
Poor picture	<ul style="list-style-type: none"> Make sure that the room is not too bright. Light reflecting off the screen can make the picture difficult to see. If an S-VHS camera or a camcorder is connected while another connected device is turned on, the picture may be poor. Turn off one or more devices.
Good sound but poor color	<ul style="list-style-type: none"> Adjust the contrast, color, and brightness settings.
Audio noise	<ul style="list-style-type: none"> Other devices (for example, surround sound receiver, external speakers, fans, or hair dryers) may be interfering with your TV. Try turning off one device at a time to determine which device is causing interference. After you have determined which device is causing interference, move it further from the TV to eliminate the interference.
No output from one of the speakers	<ul style="list-style-type: none"> Adjust the audio balance. See "Adjusting sound settings" on page 18. Make sure that the audio cables are connected correctly and securely to the back of your TV.
After images appear	<ul style="list-style-type: none"> Do not display a still image, such as a logo, game, or computer image, for an extended period of time. This can cause a permanent after-image to be burned into the screen. This type of damage is not covered by your warranty.

Remote control

Problem	Solution
Remote control does not work.	<ul style="list-style-type: none"> Make sure that the power cord is correctly connected to your TV and a power outlet. Make sure that there are no obstructions between the remote control and the remote control sensor on the front of the TV. Point the remote control directly at the remote control sensor on your TV. For the location of the remote control sensor, see "Front" on page 5. Make sure that the batteries are installed correctly. See "Installing remote control batteries" on page 15. Replace dead batteries with new batteries. See "Installing remote control batteries" on page 15.
Trouble programming your existing universal remote control.	<ul style="list-style-type: none"> See instructions and a table of common codes in "Programming a universal remote control" on page 31. Codes are subject to change. For up to date codes, go to www.dynexproducts.com/remotecodes. Replace dead batteries with new batteries. See "Installing remote control batteries" on page 15. Refer to the User Guide that accompanied your universal remote control and contact the manufacturer if problems persist.

General

Problem	Solution
No power	<ul style="list-style-type: none"> Make sure that the power cord is correctly connected to your TV and a power outlet. Unplug the power cord, wait 60 seconds, then plug the cord back in and turn on your TV. Other devices (for example, surround sound receiver, external speakers, fans, or hair dryers) may be interfering with your TV. Try turning off one device at a time to determine which device is causing interference. After you have determined which device is causing interference, move it further from the TV to eliminate the interference.
"No signal" error message is displayed	<ul style="list-style-type: none"> Press INPUT and make sure that you have selected the correct input for the device or service you are trying to use. If you are using a cable or satellite box, use the remote that came with that box to change channels. Make sure you have the correct input selected to view channels from the cable or satellite box.
After Auto Channel Search, there are no channels	<ul style="list-style-type: none"> Reception can vary by channel depending on the broadcast power level of a given station. Contact your cable or satellite TV provider. Make sure the antenna or cable/satellite TV is connected securely to your TV. Try replacing the cable between the antenna/cable or cable/satellite box and your TV.
One or more channels do not display.	<ul style="list-style-type: none"> Make sure that the channels are not blocked. See "Setting parental control levels." Make sure that the channels are not hidden. The channel may have been deleted from the channel list. You can tune to the channel by pressing the number buttons or you can add the channel back to the channel list. See "Hiding channels" on page 19. If you are using a cable or satellite box, use the remote that came with that box to change channels. Make sure you have the correct input selected to view channels from the cable or satellite box. If you are using an antenna, the digital channel signal may be low.
Password is lost.	<ul style="list-style-type: none"> Enter 9999 to access parental controls, then set a new password. See "Setting or changing the password" on page 20.
Some settings cannot be accessed.	<ul style="list-style-type: none"> If a setting is grayed, the setting is not available in the current video input mode.
TV cabinet creaks.	<ul style="list-style-type: none"> When the TV is in use, the temperature rises naturally and may cause the cabinet to expand or contract which can cause a creaking noise. This is not a malfunction.
Control buttons do not work	<ul style="list-style-type: none"> Make sure that the Button Lock option is set to Off. See "Locking control buttons" on page 21. Unplug the power cord, wait a few seconds, then plug the cord back in and turn on your TV.
TV keeps turning off	<ul style="list-style-type: none"> Make sure that the sleep timer is not turned on. See "Setting the sleep timer" on page 27.

Note

If the problem is not solved by using these troubleshooting instructions, turn off your TV, then turn it on again.

Specifications

Specifications are subject to change without notice.

Warranty

DX-42E250A12
Parts: 1 year
Labor: 1 year

Dimensions and weight

DX-42E250A12
Without Stand: 39.84 x 1.53 x 24.88 in (101.2 x 3.9 x 63.2 cm)
With Stand: 39.84 x 10.83 x 27.95 in (101.2 x 27.5 x 71 cm)
Without Stand: 38.59 lbs. (17.5 kg)
With Stand: 43 lbs. (19.5 kg)

Screen

	DX-42E250A12
Screen size measured diagonally	42"
Display type	LED-LCD
Panel 60 Hz vs.120 Hz	60Hz
Display resolution	1080p
Panel resolution	1920 (H) x 1080 (V)
Aspect ratio	16:9
Contrast ratio (typical)–panel	2500:1
Comb filter	3d y/c digital
Response time	6.5 ms
Horizontal viewing angle	160
Vertical viewing angle	160

Display resolutions/VGA scan rates

	DX-42E250A12
HDMI 1.3	Suggested Resolutions: 1080p, 1080i, 720p, 480p, 480i
Component video	Suggested Resolutions: 1080i, 720p, 480p, 480i

Tuner

	DX-42E250A12
Analog	NTSC
Digital	ATSC, 8-VSB, Clear-QAM

Inputs

	DX-42E250A12
HDMI 1.3	2 (back) E-EDID compliant HDCP compliant
Component video	1 (side)
Composite video	1 (back)
Shared audio (component and composite)	No

S-Video	No
PC/VGA	No
3.5mm PC audio input	No
USB	1 (back) Supports firmware upgrade only

Outputs

	DX-42E250A12
Video	No
Analog audio	No
Digital audio	1 coaxial (side)
WiFi	No
Ethernet	No
Headphone	No

Audio

	DX-42E250A12
Simulated Surround Sound	Yes
Sound Leveler	Yes

Power

	DX-42E250A12
Power consumption	On: 90 W Standby: <1 W
Power input	120V/60Hz

Miscellaneous

	DX-42E250A12
OSD languages	English, French, Spanish
INLink	No
Game Mode	No
ENERGY STAR qualified	No
Internet connectable	No
TV base screws	ST4 type(16mm length) (6 pcs) M5 type (12mm length) (4 pcs)
V-Chip (version 2.0)	Yes
Sleep timer	Yes
Channel labeling	No
VESA mount (mm) (horizontal x vertical)	400 x 400

Note

The length of the wall-mount screws vary depending on the wall-mount bracket you purchased. See the instructions that came with the wall-mount bracket for screw lengths.

Programming universal remote controls

Programming a universal remote control

You can operate your Dynex TV with a new or existing universal remote control.

To program a different universal remote control:

- 1 See the table below for common codes. If you have problems programming your remote or need a different remote control code, visit www.dynexproducts.com/remotecodes for the latest remote control code information.

- Follow your universal remote control's instructions to enter the TV code you found in Step 1.

Tips

- If your universal remote control has a code search feature, run a code search to identify a code that matches your TV. See your universal remote control's instructions for details.
- If your universal remote control has a "Learn" feature, you can manually program it using the Dynex TV remote to "teach" the commands one at a time. See your universal remote control's instructions for details.

Tips

- The brand name is often visible on the front of the universal remote control, and the model number is often visible on the back.
- If your universal remote control isn't listed on the chart, refer to your universal remote control's instructions and try codes for the brands Orion, Emerson, Memorex, Sansui, Sylvania, or Zenith. You may need to try several codes before finding a match.

For additional help and information...

- Visit <http://www.dynexproducts.com/remotecodes>
- Call technical support for the universal remote control or cable/satellite company of the remote/set-top box you are trying to program.
- Call the Dynex Customer Care Center 1-800-305-2204

Common universal remote control codes

The following is a list of the most common remote control codes. Codes for other remote controls are available online at: www.dynexproducts.com or check with your cable or satellite TV provider for the remote control code.

Dynex TV codes for universal remote controls (for all Dynex TVs manufactured after Jan. 1, 2007)

Universal remote control makes and models	
One for All	0054
Phillips	0198, 0490
RCA	135
Sony	068, 069, 078, 096, 100, 164, 168, 229, 026

Set-top box makes and models	
Cablevision	068, 069, 078, 096, 100, 164, 168, 229, 026
Charter	2002, 1204, 1423, 1517, 0171, 1963, 0463, 1463, 0842, 1326, 167, 415, 424, 450, 456, 461, 507, 523, 567, 577, 586
Comcast	10171, 11204, 11326, 11463, 11517, 11641, 11780, 11785, 11892, 11963, 12002
Cox	1326, 1463
DirectTV	10171, 11204, 11326, 11517, 11564, 11641, 11963, 12002
Dish Network	720
Time Warner	400, 450, 461, 456, 10463, 1463, 0463
TiVo	0091
Verizon	0198, 0490

Legal notices

FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply within the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC warning

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

Cables

Connections to this device must be made with shielded cables with metallic RF/EMI connector hoods to maintain compliance with FCC Rules and Regulations.

Canada ICES-003 statement

This Class B digital apparatus complies with Canadian ICES-003.
Standard Television Receiving Apparatus — Appareil de réception télévision ordinaire, Canada BETS-7 / NTMR-7

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HDMI



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One-year limited warranty - Dynex Televisions

Definitions:

Dynex Products ("Dynex") warrants to you, the original purchaser of this new Dynex-branded television ("Product"), that the Product shall be free of defects in the original manufacturer of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period"). For this warranty to apply, your Product must be purchased in the United States or Canada from a Best Buy or Future Shop authorized dealer of Dynex brand products only that are packaged with this warranty statement.

How long does the coverage last?

The Warranty Period lasts for 1 year (365 days) from the date you purchased the Product. Your purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Dynex repair center or store personnel, Dynex will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Dynex and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Dynex Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a Best Buy or Future Shop retail store location and your television Product has a screen size of less than 37 inches, please take your original receipt and the Product to any Best Buy or Future Shop store. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from a Best Buy or Future Shop online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. To obtain in-home warranty service for a television with a screen 37 inches or larger, in the United States call 1-888-BESTBUY, Canada call 1-866-BESTBUY for Future Shop call 1-800-663-2275. Call agents will diagnose and correct the issue over the phone or will have a Dynex-approved repair technician dispatched to your home.

Where is the warranty valid?

This warranty is valid only to the original purchaser of the product in the United States and Canada at Best Buy or Future Shop branded retail stores or websites.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction/education
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as power surges
- Accident(s)
- Misuse
- Abuse
- Negligence
- Commercial purposes/use, including but not limited to use in a place of business or in communal areas of a multiple dwelling condominium or apartment complex, or otherwise used in a place of other than a private home.
- Modification of any part of the Product, including the antenna
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).
- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage or power supply
- Attempted repair by any person not authorized by Dynex to service the Product
- Products sold "as is" or "with all faults"
- Consumables, including but not limited to batteries (i.e. AA, AAA, C etc.)
- Products where the factory applied serial number has been altered or removed

- Loss or Theft of this product or any part of the product
- Up to three (3) pixel failures (dots that are dark or incorrectly illuminated) grouped in an area smaller than one tenth (1/10) of the display size or up to five (5) pixel failures throughout the display. (Pixel based displays may contain a limited number of pixels that may not function normally.)
- Failures or Damage caused by any contact including but not limited to liquids, gels or pastes.

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Contact Dynex:

For customer service please call 1-800-305-2204

www.Dynexproducts.com

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